DOCUMENT RESUME

ED 167 393 SE 026 774

AUTHOR Gammisch, Susan C.; Lanier, James A.
TITLE Guide to the Marine Education Materials System (MEMS). Educational Series No. 22.
INSTITUTION Virginia Inst. of Marine Science, Gloucester Point, Va.
SPONS AGENCY National Oceanic and Atmospheric Administration (DOC), Rockville, Md.
PUB DATE 78
NOTE 141p.; Not available in hard copy due to copyright restrictions; Colored pages may not reproduce well; Microfiche containing Author Index and Grade Level Index deleted

EDRS PRICE MF-$0.83 Plus Postage. HC Not Available from EDRS.
DESCRIPTORS Automatic Indexing; Curriculum; Curriculum Enrichment; *Elementary Secondary Education; *Information Systems; *Instructional Materials; *Marine Biology; *Oceanology; Science Education
IDENTIFIERS *Marine Education; Sea Grant

ABSTRACT

This guidebook has been prepared to orient persons wishing to use the Marine Education Materials System (MEMS), a project supported by the Office of Sea Grant, National Oceanic and Atmospheric Administration (NOAA), Department of Commerce. Entries to the system were compiled by the education staff of the Virginia Institute of Marine Science. Information in the Guidebook consists of an explanation of MEMS and how to use it, an ongoing list of the publications entered, an index of descriptors and listings of entries by author and grade level. In addition to a preface and introductory section, other sections are: (1) How to Use the System; (2) Explanation of Notations; (3) Sample Entries; (4) Types of Documents Included in MEMS; (5) Abbreviations; (6) Distribution Centers; (7) Thesaurus of Descriptors; (8) Descriptors-Accession Numbers; and (9) Listing of Available Entries by Accession Numbers. An author index and grade level index are also included. (PEB)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

Guide to the

MARINE EDUCATION MATERIALS SYSTEM (MEMS)

by

Susan C. Gammisch

and

James A. Lanier

Edited by Dick Cook

Educational Series #22 of the

Virginia Institute of Marine Science
Gloucester Point, VA 23062

William J. Hargis, Jr., Director

1978

THE MARINE EDUCATION MATERIALS SYSTEM (MEMS) is a project supported by the Office of Sea Grant, National Oceanic and Atmospheric Administration (NOAA), Department of Commerce. Entries to the system are compiled by the education staff of the Virginia Institute of Marine Science. Susan C. Gammisch serves as the MEMS coordinator. The system is a part of the VIMS Marine Education Program, directed by James A. Lanier.

Special thanks are conveyed by the authors to those cited here for their conscientious assistance: Lee Lawrence, Mary Sparrow, Bill DuPaul and Mo Lynch of VIMS; Ron Giese of the College of William and Mary; Roger Anderson of the Gulf and South Atlantic Fisheries Development Foundation; Les Picker of the North Carolina Marine Resources Center at Manteo; Hal Goodwin of Goodwin and Goodwin; Warren Little of the New England Aquarium; Jim McCloy of Moody College of Texas A&M University; and Barbara Klemm of the University of Hawaii. Thanks also to Ginny Shaw of the VIMS Computer Center and to each of the MEMS distributors for their continuing assistance. We acknowledge the contributions of each of the individuals providing entries for the system, even though there are too many for individual acknowledgements.

The development of this guidebook was supported by the Virginia Institute of Marine Science Sea Grant Marine Advisory Program through an award from the National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

CONTENTS

Preface..... 1

Introduction..... 1

How to Use the System..... 3

Explanation of Notations..... 8

Sample Entries..... 10

Types of Documents Included in MEMS..... 11

Abbreviations..... 13

Distribution Centers..... 14

Thesaurus of Descriptors..... 15

Descriptors - Accession Numbers..... 25

Listing of Available Entries, by Accession Numbers..... 45

Author Index.....(on microfiche, inside back cover)

Grade Level Index.....(on microfiche, inside back cover)

PREFACE

THE NATIONAL SEA GRANT PROGRAM has gained a reputation for realizing maximum effect for funds invested in research, advisory services and education. Through its network of scientists, advisory personnel, communicators and educators, Sea Grant initiatives have an impact far in excess of what might be expected from the level of funding involved. The projects begun with the "supplemental funds" for marine education provided by Sea Grant in 1977 are good examples. They emphasize teacher education and curriculum development, taking full advantage of the pyramid or multiplier effect by teaching the teachers and providing them with the tools they need. The teachers, in turn, will "make known the world of water" to all our citizens.

This new support for curriculum development has increased the possibility of duplication, making the coordination of effort and efficient dissemination of materials even more important. The Marine Education Materials System (MEMS) has been designed to help meet these needs by providing for the collection, storage, retrieval and improved dissemination of all the written tools required for "marinating" American education.

The Guide to the Marine Education Materials System consists of an explanation of MEMS and how to use it, an ongoing list of the publications which have been entered, an index of descriptors and listings of entries by author and grade level. Using the index of

descriptors, it is possible to conduct a manual cross-referenced search of MEMS entries.

Although this first edition of the guidebook has been edited and corrected, changes will be made as entries to the system continue. It is being printed so that potential users may immediately suggest improvements and become familiar with the information in MEMS. Comments, suggestions and input for the system will always be welcomed.

Susan C. Gammisch
and
James A. Lanier

INTRODUCTION

THE MARINE EDUCATION MATERIALS SYSTEM provides computer access to a broad range of materials useful in adding a marine emphasis at any level of the educational process. Saltwater and freshwater curricula, laboratory guides and field guides are included. The system was developed to answer the need for a centralized source of information on marine education. Materials are indexed at the Virginia Institute of Marine Science, Gloucester Point, Virginia. There are nine additional regional MEMS distributors across the country (Page 14). Computer searches can be arranged through VIMS, but manual searches should be adequate at present.

All documents designed for use by marine educators, such as curriculum guides, laboratory manuals and field guides, can be included in MEMS. Some older documents are not only historically valuable, but are still largely useful. In addition, some less valuable publications have been included for the sake of completeness. No evaluations of materials have been included, although this may be done in the future.

Collection of material began in November 1976. By July 1977, approximately 200 entries had been assembled. Lists of these documents were distributed at the 1977 National Marine Education Association Conference in Newark, Delaware. An overview of the plan for MEMS was also presented at that time.

Marine educators from Sea Grant programs across the country were then

asked to join with VIMS in building and operating the system. Their contributions, as well as their efforts to assist others in retrieving material, have been invaluable.

Most of the documents in MEMS are available on microfiche for the cost of reproduction. Those documents which have not been cleared for reproduction are available for review at any of the MEMS Sea Grant distribution centers.

Persons interested in contributing to the system are invited to send, at any time, published or unpublished materials to:

MARINE EDUCATION MATERIALS SYSTEM
Marine Education Center
Virginia Institute of Marine Science
Gloucester Point, VA 23062
(804) 642-2111, ext. 111

HOW TO USE THE SYSTEM

PRINTOUT EXPLANATION SHEET

Entries in the Marine Education Materials System contain the following information in the order indicated:

(A) Accession Number
(B) Year of Publication (N.D. appears here if the date is unknown)
(C) Author(s) (Last name, first initial)
(D) Title
(E) Reference (State, agency or publication; number of pages)
(F) Descriptors
(G) Type of document (Lesson plan, curriculum, lab guide, field guide, etc., see pages 11-12)
(H) Use: Grade Level. For use by Teacher (T) or Students (S): Grade Level (P = K to 3, U = 4 to 6, I = 7 to 9, H = 10 to 12, and A = accelerated high school, adult, college).

An example of an actual entry follows:

000038
1969
TAYLOR, B.
THE FIELD APPROACH TO COASTAL ECOLOGY - SPRING UNIT
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS, BEAUFORT, NC; 39 pp.
FIELD TRIP; OUTER BANKS; PLANT; BEACH; MARITIME FOREST; INTERTIDAL AREA; DUNE; WETLAND; EROSION; COMMUNITY; COASTAL PLAIN; BIOLOGY UNIT
T: I, H

Information in marine education can be retrieved in three ways using the Guide to the Marine Education Materials System. Each is described below.

A. SUBJECT INDEX:

Descriptors, sometimes called key words, or subject index terms, are labels assigned to materials being entered to facilitate retrieval. They are more complete, better standardized and often more descriptive

than titles. Their selection is not a simple task, however, and can result in disagreements, duplications or omissions. Minimizing such problems is the responsibility of the indexer.

In selecting descriptors for the thesaurus an attempt was made to keep the language simple and understandable yet accurate and descriptive.

Some common words, such as "ecology" have been omitted because they are too broad. Some broad terms have, however, been used. Examples include "biology" and "physics". The use of more specific descriptors generally will provide better results.

Names of organisms, such as "clam", "anemone" or "sea urchin" are included along with the phylum or class to which each belongs. Common names such as "bird", "fish", "mammal", "worm" and "insect" are used wherever they serve as well or better than similar technical terms.

In order to retrieve information by subject, the thesaurus can be used to find the terms applicable to the topics sought. These terms can be found in the YELLOW SECTION of the Guidebook. Entries can be located by using the accession numbers listed after each term (see below).

Sample 1.
CORIOLIS EFFECT
000010 000013 000031

The term CORIOLIS EFFECT appears in articles number 000010, 000013 and 000031.

Cross-referencing can be done by those interested in documents containing information on two or more descriptors. For example, to find

information on the communication of dolphins, "COMMUNICATION" and "DOLPHIN" could each be examined individually, thus searching for articles in which both terms appear (see below).

Sample 2.

COMMUNICATION

000179	000212	000248	000260	000335	000390
000392	000393	000395			

DOLPHIN

000118	000150	000335	000390	000396	000397

In this example, if you were seeking information on the communication of dolphins, you would use articles number 000335 and 000390 in which both terms appear.

B. AUTHOR INDEX:

Another way to retrieve information is through the author index, in which documents are listed in alphabetical order by the author's last name. It is possible to retrieve information by any author, regardless of the order in which authors' names appear on publications. If an author has written more than one document found in MEMS, they will all be listed by accession number under that author's name (see below).

Sample 3.

*******Abel, R.
000236
N.D.
ABEL, R.
SOME THOUGHTS ABOUT CONSIDERING A CAREER IN OCEANOGRAPHY
UNKNOWN: 5 pp.
CAREER; EDUCATION; EMPLOYMENT
ARTICLE
T, S: H

000271
1965
ABEL, R.; LINDQUIST C.
INNER SPACE - SEA OF OPPORTUNITY
DC: INTERAGENCY COMM ON OCEAN, WASHINGTON, DC; 7 pp.
RESOURCE; HISTORY; PHYSICS; BIOLOGY; EMPLOYMENT; CAREER; MILITARY;
INDUSTRY; DIVING; RESEARCH; INSTRUCTION; EQUIPMENT; CHEMISTRY;
GEOLOGY; DIRECTORY
REFERENCE
T, S: H, A

*******LINDQUIST, C.
000271
1965
ABEL, R.; LINDQUIST, C.
INNER SPACE - SEA OF OPPORTUNITY
DC: INTERAGENCY COMM ON OCEAN, WASHINGTON, DC; 7 pp.
RESOURCE; HISTORY; PHYSICS; BIOLOGY; EMPLOYMENT; CAREER; MILITARY;
INDUSTRY; DIVING; RESEARCH; INSTRUCTION; EQUIPMENT; CHEMISTRY;
GEOLOGY;DIRECTORY
REFERENCE
T, S: H, A

Articles appear under every author's last name, whether they are the first, middle or last listed on the actual publication. The Author Index is found on microfiche inside the back cover of this Guidebook.

C. GRADE LEVEL INDEX:

A third way of retrieving information is by grade level. The following format has been used in assigning grade levels to articles:

Designation	Grades
P = Primary	K-3
U = Upper Elementary	4-6
I = Intermediate	7-9
H = High School	10-12
A = Advanced	Accelerated high school, adult, college

Documents are listed by accession number under the corresponding grade level. Thus, if searching for first grade level materials, look for P designations in the guidebook (see below).

Sample 4.
**** P ****
000081
1968
DUDLEY, S.
A DAY WITH DON AT CAPE LOOKOUT SEASHORE
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS, BEAUFORT, NC; 34 pp.
COASTLINE; RECREATION; SHELL
FICTION
T, S: P

Information can be retrieved by grade level simply by looking up the corresponding letter for that particular grade. The Grade Level Index is found on microfiche inside the back cover of this Guidebook.

EXPLANATION OF NOTATIONS

DESCRIPTOR. Descriptors are terms which can be used to retrieve information from the system. In the sample (p. 10), main entries are shown for the descriptors "CRAYFISH", "REPTILE", "INDUSTRY" AND "FOODWEB". "COASTAL ZONE MANAGEMENT" is not a valid descriptor.

BT = BROADER TERM. The main entry descriptor can also be found in the thesaurus as a narrower term under any broader terms listed with it. Broader terms should be included by the indexer whenever the main entry descriptor is assigned to an article. For example, the descriptor CRAYFISH appears as a narrower term under "CRUSTACEAN", and "CRUSTACEAN" should be assigned to every article in which CRAYFISH appears. This assignment is done by the indexer, not the computer, and is subject to error. The hierarchies revealed by the BT and NT relationship are sometimes subjective. Since the thesaurus has been constructed as the articles indexed required, the hierarchical arrangement is necessarily imperfect. It is employed as an aid to users in developing better ways to retrieve information.

NT = NARROWER TERM. The reciprocal of BT. Appropriate narrower terms should be used in a search to insure retrieval of all desired information.

RT = RELATED TERM. Descriptors following this notation are suggestions from indexer to user about other terms in the thesaurus which may be of interest. Relationships thus indicated vary considerably, from near synonyms to antonyms.

USE = USE. The main entry is a term not used in MEMS indexing, but is included in order to direct the user to a valid descriptor. The term following "USE" is the appropriate valid descriptor.

UF = USED FOR. The reciprocal of USE. The subject index term at the main entry is used for, or instead of, words following this notation. Information cannot be retrieved by using the terms following UF. Many invalid terms so listed are quite acceptable, perhaps even more so than the descriptor used in its place. If another term has been used in the past, however, it will continue to be used because of the difficulty of changing all the previous indexing.

SAMPLE ENTRIES

The following entries are from the thesaurus of descriptors.

	ENTRY	MEANING
1.	CRAYFISH BT CRUSTACEAN	BT = Broader Term (all CRAYFISH are CRUSTACEANS)
2.	REPTILE NT TURTLE	NT = Narrower term (all TURTLES are REPTILES)
3.	INDUSTRY RT ENGINEERING SHIPBUILDING	RT = Related term (ENGINEERING and SHIPBUILDING are related to INDUSTRY)
4.	COASTAL ZONE MANAGEMENT USE MANAGEMENT	USE = Use (COASTAL ZONE MANAGEMENT is not a descriptor used in this system. Use MANAGEMENT instead)
5.	FOOD WEB UF FOOD CHAIN	UF = Used for (FOOD CHAIN is not a descriptor used in this system. FOOD WEB is used instead)

TYPES OF DOCUMENTS INCLUDED IN MEMS

1. ACTIVITY - designed to be used in the classroom vs. the laboratory.

2. ARTICLE, BOOKLET - general or background information on a particular subject.

3. ARTS AND CRAFTS - usually an activity to make an art form or craft out of a marine object.

4. COLORING BOOK - (self-explanatory)

5. CONFERENCE PROCEEDINGS - (self-explanatory)

6. CURRICULUM - an outline to be followed for an extended period of time such as a semester or quarter; usually includes concepts, goals, objectives, activities.

7. DEMO (DEMONSTRATION) - activities to be performed by the instructor to clarify subject matter.

8. DIAGRAMS - sketches designed for class use on an overhead projector.

9. FICTION - a booklet or story based on factual information in a fictional setting.

10. FIELD GUIDE - a guide of possible field activities, places to visit, safety precautions, checklists.

11. FILM LIST - (self-explanatory)

12. FILMSTRIP GUIDE - (self-explanatory)

13. FLASH CARDS - (self-explanatory)

14. LAB EX (LAB EXERCISE) - an activity to be performed, usually by the student, to enhance information learned in class.

15. LESSON PLAN - a guideline usually for one class session, usually includes objectives.

16. REFERENCE - bibliographies, identification guides, college program information.

17. TEACHING GUIDE - Guides to textbooks, units or curricula.

18. TEXTBOOK - (self-explanatory)

19. UNIT - a group of lessons on a particular subject such as ecosystems. Goals, objectives and information on the subject are usually included.

20. WORKBOOK, WORKSHEET - a booklet or page of activities designed to enrich learning experiences.

ABBREVIATIONS

The following abbreviations have been used in the indexing of MEMS documents:

State abbreviations:

Alabama.....AL	Kentucky.....KY	Ohio.....OH
Alaska.....AK	Louisiana.....LA	Oklahoma.....OK
Arizona.....AZ	Maine.....ME	Oregon.....OR
Arkansas.....AR	Maryland.....MD	Pennsylvania.....PA
California.....CA	Massachusetts.....MA	Puerto Rico.....PR
Colorado.....CO	Michigan.....MI	Rhode Island.....RI
Connecticut.....CT	Minnesota.....MN	South Carolina.....SC
Delaware.....DE	Mississippi.....MS	South Dakota.....SD
Dist. of Col.....DC	Missouri.....MO	Tennessee.....TN
Florida.....FL	Montana.....MT	Texas.....TX
Georgia.....GA	Nebraska.....NB	Utah.....UT
Guam.....GU	Nevada.....NV	Vermont.....VT
Hawaii.....HI	New Hampshire.....NH	Virginia.....VA
Idaho.....ID	New Jersey.....NJ	Virgin Islands.....VI
Illinois.....IL	New Mexico.....NM	Washington.....WA
Indiana.....IN	New York.....NY	West Virginia.....WV
Iowa.....IA	North Carolina.....NC	Wisconsin.....WI
Kansas.....KS	North Dakota.....ND	Wyoming.....WY

Other Abbreviations:

ACAD.....Academ(y)(ic)	EDUC.....Education(al)	PT.....Point
ACT.....Activity	ELEM.....Elementary	PROG.....Program
ADV.....Advisory	ENVIRON..Environment(al)	PROJ.....Project
AMER.....American	EX.....Exercise	PUB.....Public(ation)
AQUAR.....Aquarium	EXT.....Extension	REG.....Regional
ASSOC.....Association	FISH.....Fisheries	S.....South
BCH.....Beach	FOR.....Foreign	S.....Student
BIOL.....Biology	FOUN.....Foundation	SER.....Series
BUR.....Bureau	INST.....Institute	SERV.....Service
BULL.....Bulletin	INSTRUC.....Instruction	SG.....Sea Grant
CENT.....Center	INTNAT.....International	SOC.....Social
COLL.....College	IS.....Island	SPEC.....Special
COMM.....Commission	JR.....Junior	STUD.....Study
CONF.....Conference	LAB.....Laboratory	T.....Teacher
CONSERV...Conservation	MAR.....Marine	TEACH.....Teaching
COOP.....Cooperative	MAT.....Material	TECH.....Technology
CORP.....Corporation	MATH.....Mathematics	UNIV.....University
COUN.....County	N.....North	VOCAT.....Vocational
CURR.....Curriculum	NAT.....National	VOL.....Volume
DEMO.....Demonstration	N.D.....No Date	W.....West
DEPT.....Department	OCEAN.Oceanograph(y)(ic)	
DIV.....Division	OFF.....Office	
E.....East	PP.....Pages	

SEA GRANT DISTRIBUTION CENTERS

Access to the Marine Education Materials System is available from the distributors listed below. Each of these centers has a complete collection of MEMS microfiche and can provide assistance to interested parties.

EAST COAST

Robert W. Stegner
310 Willard Hall
University of Delaware
Newark, DE 19711
(302) 738-2331

Susan C. Gammisch
Marine Education Center
Virginia Institute of Marine Science
Gloucester Point, VA 23062
(804) 642-2111

Will Hon
Marine Extension Center
Skidaway Island
Savannah, GA 32406
(915) 352-1631

WEST COAST

Don Giles/Vicki Osis/
Marilyn Guin
Marine Science Center Library
Oregon State University
Newport, OR 97365
(503) 867-3011

Dotti Bjur
USC Sea Grant Program
University of Southern California
University Park
Los Angeles, CA 90007
(213) 741-6068
(503) 867-3011

GULF COAST

Jim Schweitzer
Center for Wetlands Resources
Louisiana State University
Baton Rouge, LA 70803
(504) 388-1558

Sea Grant
Texas A&M University
College Station, TX 77840
(713) 845-7526

GREAT LAKES REGION

Leslie Lin
Marine Advisory Services
University of Michigan
Ann Arbor, MI 48109
(313) 764-1118

NEW ENGLAND

Prentice K. Stout
Marine Advisory Services
University of Rhode Island
Narragansett Bay Campus
Narragansett, RI 02882
(401) 792-6211

HAWAII

John McMahon
Marine Education Training Program
2560 Campus Road
George Hall 230
Honolulu, HI 96822
(808) 948-8444 or 948-8433

THESAURUS OF DESCRIPTORS

ABYSS
USE OCEAN FLOOR

ADAPTATION

ALGAE
RT PLANKTON
RED TIDE
SEAWEED

AMPHIBIAN

ANATOMY
UF DISSECTION
STRUCTURE

ANEMONE
BT COELENTERATE

ANTHROPOLOGY
USE HISTORY

AQUACULTURE
UF MARICULTURE

AQUARIUM
NT FRESHWATER AQUARIUM
SALTWATER AQUARIUM

ARITHMETIC
USE MATH

ART
BT HUMANITIES

ARTHROPOD
USE CRUSTACEAN
INSECT

BACTERIA
RT PATHOLOGY

BARNACLE
BT CRUSTACEAN

BAY
USE ESTUARY

BAYOU
USE ESTUARY

BEACH
UF SEASHORE
RT COASTLINE
INTERTIDAL AREA
SAND

BEACHCOMBING

BEHAVIOR
RT LIFE CYCLE

BENTHOS

BIBLIOGRAPHY
UF BOOK LIST

BIOLOGY

BIOLUMINESCENCE

BIRD
UF WATERFOWL

BIVALVE
USE MOLLUSK

BOOK LIST
USE BIBLIOGRAPHY

BOTANY
USE PLANT

BOTTOM GRAB
RT DREDGE

BRYOZOAN
UF ECTOPROCT

BULLETIN
USE PERIODICAL

CAMERA
USE PHOTOGRAPHY

CANAL
RT RIVER
STREAM

CAREER
UF MANPOWER
OCCUPATION
PERSONNEL
RT EMPLOYMENT
TRADE
TRAINING

CHEMISTRY

CIRCULATION

RT CORIOLIS EFFECT
CURRENT
TIDE

CLAM
BT MOLLUSK

CLASSIFICATION
USE IDENTIFICATION

COASTAL PLAIN
RT COASTLINE

COASTAL ZONE MANAGEMENT
USE MANAGEMENT

COASTLINE
UF SEASHORE
SHORELINE
RT BEACH
COASTAL PLAIN
INTERTIDAL AREA
WETLAND

COELENTERATE
UF JELLYFISH
MEDUSA
NT ANEMONE
CORAL
HYDRA
NETTLE

COLLECTING
RT HARVESTING

COMMENSALISM
USE SYMBIOSIS

COMMERCIAL UTILIZATION
USE ECONOMICS

COMMUNICATION

COMMUNITY

CONCH
USE SNAIL

CONSERVATION

CONTINENTAL SHELF
USE OCEAN FLOOR

CONTINENTAL SLOPE
USE OCEAN FLOOR

COPEPOD
BT CRUSTACEAN
RT PLANKTON

CORAL
BT COELENTERATE
RT REEF

CORIOLIS EFFECT
UF EKMAN SPIRAL
RT CURRENT

CRAB
BT CRUSTACEAN

CRAYFISH
BT CRUSTACEAN

CRUSTACEAN
UF ARTHROPOD
NT BARNACLE
COPEPOD
CRAB
CRAYFISH
HERMIT CRAB
ISOPOD
LOBSTER
SHRIMP

CTENOPHORE
UF JELLYFISH

CURRENT
RT CIRCULATION
CORIOLIS EFFECT
TIDE

DENSITY
RT GRAVITY

DEPTH

DETRITUS

DEVELOPMENT
USE LIFE CYCLE

DIGESTION
RT EXCRETION
NUTRITION

DIRECTORY

DISEASE

DISSECTION
USE ANATOMY

DISSOLVED OXYGEN
USE OXYGEN

DIVING
UF SCUBA
SNORKELING

DOLPHIN
BT MAMMAL
RT PORPOISE
WHALE

DREDGE
RT BOTTOM GRAB

DUNE
RT SAND

ECDYSIS
USE MOLT

ECHINODERM
NT SEA CUCUMBER
SEA STAR
SEA URCHIN

ECONOMICS
UF COMMERCIAL UTILIZATION

ECTOPROCT
USE BRYOZOAN

EKMAN SPIRAL
USE CORIOLIS EFFECT

ECOSYSTEM
USE ENVIRONMENT

EMPLOYMENT
RT CAREER
TRADE
TRAINING

ENERGY

ENGINEERING
RT INDUSTRY

ENGLISH
USE LITERATURE

ENVIRONMENT
UF ECOSYSTEM

ENVIRONMENTAL IMPACT STUDY
USE IMPACT STUDY

EQUIPMENT

EROSION

ESTUARY
UF BAY
BAYOU
FJORD
LAGOON
RT RIVER

EXCRETION
RT DIGESTION

EXOSKELETON
USE SHELL

FIELD TRIP

FILM
USE PHOTOGRAPHY

FILM LIST

FILMSTRIP LIST

FILTRATION

FISH
NT SHARK
STINGRAY

FISHERY

FISHING
USE HARVESTING

FJORD
USE ESTUARY

FOOD CHAIN
USE FOOD WEB

FOOD VALUE
USE NUTRITION

FOOD WEB
UF FOOD CHAIN

FOSSIL

FRESH WATER

FRESHWATER AQUARIUM
BT AQUARIUM
RT OCEANARIUM
SALTWATER AQUARIUM

GEOLOGY

GENETICS

GLOSSARY
USE VOCABULARY

GRASSFLAT

GRAVITY
RT DENSITY

GROWTH
USE LIFE CYCLE

HABITAT

HARVESTING
UF FISHING
RT COLLECTING
RECREATION

HERITAGE
RT HISTORY

HERMIT CRAB
BT CRUSTACEAN

HISTORY
UF ANTHROPOLOGY
BT HUMANITIES
RT HERITAGE

HORSESHOE CRAB

HUMANITIES
BT SOCIAL STUDIES
NT ART
HISTORY
LITERATURE

HYDRA
UF HYDROZOAN
BT COELENTERATE

HYDROLOGIC CYCLE

HYDROZOAN
USE HYDRA

ICE

IDENTIFICATION
UF CLASSIFICATION
KEY
TAXONOMY

IMPACT STUDY
UF ENVIRONMENTAL IMPACT STUDY

IMPLEMENTATION

INDIVIDUALIZED INSTRUCTION
USE INSTRUCTION

INDUSTRY
RT ENGINEERING
SHIPBUILDING

INSECT
UF ARTHROPOD

INSTRUCTION
UF INDIVIDUALIZED INSTRUCTION
TEACHING MODEL
RT TRAINING

INTERTIDAL AREA
UF LITTORAL ZONE
RT BEACH
COASTLINE
MUDFLAT
TIDE
TIDE POOL
WETLAND

ISOPOD
BT CRUSTACEAN

JELLYFISH
USE COELENTERATE
CTENOPHORE

JETTY

JOURNAL
USE PERIODICAL

KEY
USE IDENTIFICATION

LABORATORY

LAGOON
USE ESTUARY

LANGUAGE
USE LITERATURE

LARVA
USE LIFE CYCLE

LATITUDE
RT LONGITUDE
NAVIGATION

LAW
UF REGULATION

LIBRARY

LIFE CYCLE
UF DEVELOPMENT
GROWTH
LARVA
LIFE HISTORY
POLYP
RT BEHAVIOR
MOLT

LIFE HISTORY
USE LIFE CYCLE

LIGHT
RT PHOTOSYNTHESIS
REFRACTION

LIGHTHOUSE
RT NAVIGATION

LIGHTING
USE PHOTOGRAPHY

LIMNOLOGY

LIMPET
BT MOLLUSK

LITERATURE
UF ENGLISH
LANGUAGE
BT HUMANITIES

LITTORAL DRIFT
USE SAND MOVEMENT

LITTORAL ZONE
USE INTERTIDAL AREA

LOBSTER
BT CRUSTACEAN

LOCOMOTION

LONGITUDE
RT LATITUDE
NAVIGATION

LONGSHORE CURRENT

MAGAZINE
USE PERIODICAL

MAMMAL
NT DOLPHIN
OTTER
PORPOISE
SEAL
SEA LION
WALRUS
WHALE

MANAGEMENT
UF COASTAL ZONE MANAGEMENT

MANGROVE
BT PLANT

MANPOWER
USE CAREER

MARICULTURE
USE AQUACULTURE

MARITIME FOREST

MARSH
USE WETLAND

MATH
UF ARITHMETIC

MEDUSA
USE COELENTERATE

METEOROLOGY

MIGRATION

MILITARY

MINERAL
USE RESOURCE

MOLLUSK
UF BIVALVE
UNIVALVE
NT CLAM
LIMPET
MUSSEL
OCTOPUS
OYSTER
SCALLOP
SNAIL
SQUID

MOLT
UF ECDYSIS
RT LIFE CYCLE

MUDFLAT
RT INTERTIDAL AREA

MUSEUM

MUSIC

MUSSEL
BT MOLLUSK

MUTUALISM
USE SYMBIOSIS

NAVIGATION
RT LATITUDE
LIGHTHOUSE
LONGITUDE

NEKTON

NETTLE
UF STINGING NETTLE
BT COELENTERATE

NEWSLETTER
USE PERIODICAL

NUTRITION
UF FOOD VALUE
RT DIGESTION
SEAFOOD

OCCUPATION
USE CAREER

OCEANARIUM
UF PUBLIC AQUARIUM
RT FRESHWATER AQUARIUM
SALTWATER AQUARIUM

OCEAN FLOOR
UF ABYSS
CONTINENTAL SHELF
CONTINENTAL SLOPE
RIDGE
TRENCH

OCTOPUS
BT MOLLUSK

OIL

OSMOSIS

OTTER
BT MAMMAL

OUTER BANKS

OXYGEN
UF DISSOLVED OXYGEN

OYSTER
BT MOLLUSK

PARASITISM
USE SYMBIOSIS

PATHOLOGY
RT BACTERIA

PERIODICAL
UF BULLETIN
JOURNAL
MAGAZINE
NEWSLETTER

PERSONNEL
USE CAREER

PH

PHOTOGRAPHY
UF CAMERA
FILM
LIGHTING
SLIDE

PHOTOSYNTHESIS
RT LIGHT
PLANT

PHYSICS

PHYTOPLANKTON

USE PLANKTON

PLANKTON
UF PHYTOPLANKTON
ZOOPLANKTON
RT ALGAE
COPEPOD
SEAWEED

PLANT
UF BOTANY
VEGETATION
NT ALGAE
MANGROVE
SEAWEED

PLATE TECTONICS
UF SEA FLOOR SPREADING

POCOSIN
USE WETLAND

POLLUTION

POLYP
USE LIFE CYCLE

POPULATION

PORIFERA
USE SPONGE

PORPOISE
BT MAMMAL
RT DOLPHIN
WHALE

PRESSURE

PROFILE

PROTECTION

PROTOZOAN

PUBLIC AQUARIUM
USE OCEANARIUM

PUZZLE

RATIONALE

RECIPE
RT SEAFOOD

RECREATION
RT HARVESTING

RED TIDE
RT ALGAE

REEF
RT CORAL

REFRACTION
RT LIGHT
WAVE

REGENERATION

REGULATION
USE LAW

REPRODUCTION
RT LIFE CYCLE

REPTILE
NT TURTLE

RESEARCH

RESOURCE
UF MINERAL

RESPIRATION

REVIEW

RIDGE
USE OCEAN FLOOR

RIVER
RT CANAL
ESTUARY
STREAM

SAFETY

SALINITY

SALT MARSH
USE WETLAND

SALTWATER AQUARIUM
BT AQUARIUM
RT FRESHWATER AQUARIUM
OCEANARIUM

SAND
RT BEACH

DUNE
SAND MOVEMENT

SAND DOLLAR
BT ECHINODERM

SAND MOVEMENT
UF LITTORAL DRIFT
RT SAND

SCALLOP
BT MOLLUSK

SCUBA
USE DIVING

SEA CUCUMBER
BT ECHINODERM

SEA FLOOR SPREADING
USE PLATE TECTONICS

SEAFOOD
RT NUTRITION
RECIPE

SEAL
BT MAMMAL
RT SEA LION

SEA LEVEL

SEA LION
BT MAMMAL
RT SEAL

SEA OTTER
USE OTTER

SEASHORE
USE BEACH
COASTLINE

SEA SQUIRT
USE TUNICATE

SEA STAR
UF STARFISH
BT ECHINODERM

SEA URCHIN
BT ECHINODERM

SEAWEED
BT PLANT
RT ALGAE
PLANKTON

SEDIMENT

SHARK
BT FISH

SHELL
UF EXOSKELETON

SHIPBUILDING
RT INDUSTRY

SHORELINE
USE COASTLINE

SHRIMP
BT CRUSTACEAN

SIMULATION GAME

SLIDE
USE PHOTOGRAPHY

SNAIL
UF CONCH
WHELK
BT MOLLUSK

SNORKELING
USE DIVING

SOCIAL STUDIES
BT HUMANITIES

SOUND

SPONGE
UF PORIFERA

SQUID
BT MOLLUSK

STARFISH
USE SEA STAR

STINGING NETTLE
USE NETTLE

STINGRAY
BT FISH

STREAM
RT CANAL

RIVER

STRUCTURE
USE ANATOMY

SUBMERSIBLE

SURVEY

SWAMP
USE WETLAND

SYMBIOSIS
UF COMMENSALISM
MUTUALISM
PARASITISM

TAXONOMY
USE IDENTIFICATION

TEACHING MODEL
USE INSTRUCTION

TEMPERATURE
UF THERMOCLINE

THERMOCLINE
USE TEMPERATURE

TIDAL WAVE
USE TSUNAMI

TIDE
RT CIRCULATION
CURRENT
INTERTIDAL AREA

TIDE POOL
BT INTERTIDAL AREA

TRADE
RT CAREER

TRAINING
RT CAREER
EMPLOYMENT
INSTRUCTION
TRADE

TRANSPORTATION

TREATMENT

TRENCH
USE OCEAN FLOOR

TSUNAMI
UF TIDAL WAVE

TUNICATE
UF SEA SQUIRT

TURBIDITY

TURTLE
BT REPTILE

UNIVALVE
USE MOLLUSK

UPWELLING

VEGETATION
USE PLANT

VESSEL

VOCABULARY
UF GLOSSARY

WALRUS
BT MAMMAL

WATERFOWL
USE BIRD

WATER QUALITY

WAVE
RT REFRACTION

WEATHER

WETLAND
UF MARSH
POCOSIN
SALT MARSH
SWAMP
RT COASTLINE
INTERTIDAL AREA

WHALE
BT MAMMAL
RT DOLPHIN
PORPOISE

WHELK
USE SNAIL

WIND

WORM

ZONATION

ZOOPLANKTON
USE PLANKTON

DESCRIPTORS - ACCESSION NUMBERS

ADAPTATION
000017 000023 000033 000078 000093 000103 000104 000150 000207
000212 000252 000284 000288 000298 000303 000321 000325 000329
000331 000375 000390 000392 000394 000395 000398

ALGAE
000010 000036 000037 000047 000049 000085 000103 000104 000105
000114 000134 000135 000160 000176 000177 000179 000195 000207
000217 000230 000237 000247 000250 000274 000276 000277 000283
000297 000303 000329 000344 000348 000365 000376 000378 000382

AMPHIBIAN
000138 000150 000311

ANATOMY
000090 000108 000166 000175 000186 000213 000214 000221 000232
000235 000237 000242 000243 000245 000251 000256 000273 000274
000292 000299 000300 000301 000309 000316 000329 000331 000336
000337 000342 000358 000362 000363 000373 000381 000390 000392
000393 000394 000395

ANEMONE
000002 000072 000108 000142 000150 000161 000186 000189 000194
000213 000215 000256 000273 000274 000280 000381

AQUACULTURE
000010 000087 000105 000116 000141 000150 000152 000179 000199
000200 000203 000246 000254 000258 000259 000260 000265 000266
000294 000301 000339 000344 000348 000365 000377 000400

AQUARIUM
000034 000046 000094 000099 000101 000114 000117 000123 000161
000162 000185 000186 000212 000213 000260 000283 000286 000301
000318 000329 000333 000370

ART
000014 000091 000095 000104 000105 000106 000107 000136 000142
000142 000159 000176 000177 000186 000201 000207 000211 000212
000213 000214 000215 000231 000237 000248 000251 000252 000264
000274 000301 000304 000305 000309 000331 000344 000380

BACTERIA
000037 000079 000109 000237 000276 000287 000322 000329 000345

BARNACLE
000015 000052 000065 000108 000150 000161 000186 000189 000194
000234 000237 000256 000274 000290 000342 000375 000378 000381

BEACH
000016 000017 000038 000041 000045 000047 000053 000091 000094
000116 000132 000136 000148 000150 000160 000174 000175 000194
000198 000202 000210 000211 000217 000220 000237 000251 000252
000261 000274 000280 000282 000298 000303 000320 000323 000329
000342 000345 000359 000364 000374 000375 000376 000398 000400

BEACHCOMBING
000086 000142 000375

BEHAVIOR
000002 000093 000142 000186 000225 000300 000302 000310 000329
000342 000349 000358 000390 000392 000393 000394 000395 000397

BENTHOS
000010 000037 000103 000126 000131 000146 000148 000149 000152
000186 000262 000291 000298

BIBLIOGRAPHY
000008 000018 000019 000020 000025 000026 000029 000037 000082
000083 000089 000094 000098 000107 000108 000109 000114 000122
000123 000136 000142 000144 000146 000147 000148 000149 000151
000152 000154 000155 000156 000157 000161 000162 000163 000164
000165 000168 000173 000176 000178 000180 000181 000182 000183
000184 000187 000195 000201 000204 000207 000211 000213 000214
000215 000218 000219 000230 000232 000234 000235 000237 000239
000240 000248 000251 000252 000255 000256 000268 000272 000273
000274 000278 000279 000291 000300 000301 000302 000304 000305
000307 000315 000331 000340 000343 000344 000345 000346 000348
000352 000355 000356 000357 000358 000359 000360 000361 000362
000363 000367 000373 000378 000380 000382 000387 000389 000390
000392 000395 000396 000397 000400

BIOLOGY
000001 000002 000003 000004 000006 000010 000011 000012 000015
000021 000022 000023 000024 000029 000030 000033 000036 000037
000038 000043 000044 000046 000047 000048 000049 000050 000051
000052 000053 000054 000055 000057 000058 000059 000062 000063
000065 000066 000068 000069 000072 000073 000076 000077 000079
000080 000087 000090 000093 000094 000095 000097 000098 000099
000100 000102 000103 000104 000107 000109 000110 000112 000114
000115 000116 000118 000123 000125 000126 000131 000135 000136
000138 000139 000141 000142 000144 000146 000147 000147 000148
000149 000150 000152 000155 000159 000160 000161 000164 000165
000166 000167 000169 000170 000172 000174 000175 000179 000182
000183 000185 000186 000188 000189 000191 000193 000194 000197
000199 000205 000206 000207 000211 000212 000213 000214 000215
000216 000217 000219 000221 000222 000223 000224 000225 000227
000230 000232 000233 000234 000235 000237 000238 000239 000240
000241 000242 000243 000246 000247 000251 000252 000253 000254
000256 000257 000258 000259 000261 000262 000271 000273 000274
000275 000276 000278 000279 000287 000288 000291 000292 000295
000296 000299 000301 000302 000303 000306 000307 000308 000309
000310 000311 000314 000320 000321 000323 000327 000328 000329
000330 000334 000337 000340 000342 000344 000348 000349 000350
000354 000365 000369 000373 000374 000375 000376 000377 000378
000382 000387 000390 000398 000400

BIOLUMINESCENCE
000237 000329

BIRD
000010 000042 000051 000057 000063 000080 000114 000126 000135
000138 000147 000161 000179 000189 000194 000216 000217 000240
000245 000249 000250 000251 000252 000264 000277 000301 000303
000325 000329 000373 000375 000376 000382

BOTTOM GRAB
000037 000250 000261 000280 000340

BRYOZOAN
000303

CANAL
000304

CAREER
000005 000026 000027 000028 000043 000053 000111 000112 000119
000127 000128 000136 000143 000144 000149 000154 000156 000161
000168 000179 000215 000236 000239 000251 000253 000254 000258
000259 000260 000269 000271 000278 000279 000291 000301 000342
000347 000349 000365 000377 000380 000382 000391

CHEMISTRY
000010 000029 000030 000036 000037 000039 000050 000053 000074
000108 000109 000112 000114 000115 000116 000125 000134 000137
000142 000144 000146 000147 000148 000149 000150 000152 000155
000160 000161 000164 000178 000182 000186 000191 000212 000219
000237 000239 000247 000254 000258 000259 000261 000271 000274
000278 000279 000287 000291 000329 000330 000340 000344 000345
000365 000372 000377 000382 000387 000398

CIRCULATION
000031 000053 000059 000147 000152 000261 000312 000329 000340

CLAM
000050 000069 000116 000142 000150 000179 000186 000199 000200
000213 000215 000217 000232 000277 000280 000379

COASTAL PLAIN
000038 000050

COASTLINE
000010 000054 000057 000059 000067 000081 000091 000092 000103
000104 000123 000132 000136 000150 000174 000175 000186 000202
000206 000211 000217 000226 000248 000251 000252 000274 000277
000282 000291 000294 000303 000325 000329 000341 000351 000365
000374 000375 000376 000378 000400

COELENTERATE
000002 000044 000049 000050 000052 000072 000078 000100 000103
000108 000135 000142 000147 000150 000160 000161 000172 000186
000189 000194 000213 000215 000227 000230 000237 000240 000273
000274 000275 000280 000301 000303 000329 000351 000378 000381

COLLECTING
000023 000046 000049 000097 000110 000123 000125 000126 000131
000146 000149 000159 000160 000165 000169 000185 000195 000196
000197 000232 000235 000237 000240 000245 000247 000249 000250
000261 000267 000274 000280 000286 000287 000303 000329 000332
000333 000340 000342 000345 000349 000355 000361 000375

COMMERCE
000251

COMMUNICATION
000179 000212 000248 000260 000335 000390 000392 000393 000395

COMMUNITY
000033 000038 000149 000152 000284 000324

37

CONSERVATION
000076 000077 000104 000186 000199 000200 000211 000250 000251
000258 000263 000274 000281 000282 000287 000289 000294 000295
000297 000301 000304 000325 000329 000330 000344 000366 000379
000387

COPEPOD
000299 000301 000362

CORAL
000002 000052 000103 000147 000148 000150 000186 000213 000215
000246 000274 000340 000381 000382

CORIOLIS EFFECT
000010 000013 000031 000126 000261 000340 000365

CRAB
00001C 000012 000021 000022 000023 000024 000042 000047 000050
000051 000052 000065 000116 000138 000161 000186 000189 000194
000199 000200 000213 000214 000215 000217 000234 000237 000256
000274 000277 000280 000281 000292 000334 000338 000339 000368
000375 000378 000379 000381

CRAYFISH
000052 000369

CRUSTACEAN
000012 000015 000021 000022 000023 000024 000037 000042 000044
000050 000051 000065 000072 000078 000103 000108 000116 000135
000138 000142 000147 000150 000160 000161 000186 000189 000194
000199 000200 000213 000214 000215 000216 000217 000227 000230
000234 000237 000240 000246 000251 000256 000274 000277 000280
000292 000295 000303 000324 000325 000329 000334 000337 000338
000351 000368 000369 000370 000375 000378 000379 000381

CTENOPHORE
000002 000049 000227 000240 000273 000280 000301 000329

CURRENT
000010 000013 000017 000041 000046 000047 000048 000053 000091
000103 000107 000126 000130 000140 000144 000146 000147 000148
000150 000152 000161 000179 000190 000191 000198 000204 000210
000215 000237 000255 000261 000287 000288 000290 000291 000298
000299 000301 000303 000305 000312 000329 000340 000351 000365
000375 000376 000377 000398

DENSITY
000010 000017 000053 000054 000091 000107 000108 000126 000146
000147 000149 000150 000192 000231 000340 000344 000345 000398

DEPTH
000179 000190 000240 000274

DETRITUS
000012 000065 000276 000294 000325

DIGESTION
000329 000331

DIRECTORY
000070 000071 000112 000153 000154 000156 000173 000203 000225
000248 000261 000269 000270 000271 000272 000278 000279 000291
000297 000301 000305 000343

DISEASE
000109

DIVING
000093 000099 000107 000114 000125 000150 000179 000215 000228
000258 000259 000260 000261 000262 000264 000265 000271 000287
000301 000315 000330 000340 000344 000347 000348 000376 000377
000382

DOLPHIN
000118 000150 000335 000390 000396 000397

DUNE
000017 000038 000039 000053 000054 000066 000091 000092 000136
000150 000175 000194 000198 000211 000252 000375 000400

ECHINODERM
000010 000044 000050 000052 000072 000078 000103 000103 000108
000135 000138 000142 000147 000160 000161 000186 000189 000213
000214 000215 000227 000230 000234 000237 000274 000280 000303
000314 000329 000351 000378 000381

ECONOMICS
000077 000087 000203 000225 000232 000237 000250 000258 000259
000263 000264 000287 000294 000301 000328 000344

EDUCATION
000236 000239

EMPLOYMENT
000028 000127 000128 000143 000156 000179 000236 000258 000259
000260 000271 000278 000279 000301 000317 000344

ENERGY
000012 000054 000074 000094 000179 000190 000240 000304 000305
000324 000325 000329 000330 000340 000344 000351

ENGINEERING
000037 000111 000113 000144 000263 000278 000279 000317 000340
000382

ENVIRONMENT
000012 000039 000051 000054 000065 000085 000103 000114 000149
000174 000175 000187 000190 000191 000201 000206 000212 000240
000250 000251 000256 000261 000284 000286 000288 000296 000298
000300 000301 000302 000303 000304 000307 000308 000325 000330
000345 000349 000354 000374 000400

EQUIPMENT
000091 000097 000107 000108 000110 000121 000126 000130 000131
000132 000134 000142 000146 000150 000152 000158 000160 000161
000171 000178 000185 000186 000190 000191 000198 000199 000200
000215 000229 000230 000237 000240 000245 000249 000261 000266
000267 000271 000274 000286 000319 000321 000339 000340 000345
000346 000365 000366 000372 000375 000376 000387 000399

EROSION
000010 000016 000038 000075 000092 000105 000132 000147 000150
000160 000202 000246 000261 000263 000282 000289 000344 000349
000351 000377

ESTUARY
000010 000031 000059 000062 000068 000085 000144 000146 000147
000194 000202 000206 000237 000251 000282 000286 000287 000308
000324 000325 000326 000340 000375 000377 000400

EXCRETION
000329

FIELD TRIP
000035 000037 000038 000046 000047 000048 000050 000053 000054
000063 000066 000078 000097 000099 000101 000123 000125 000149
000160 000161 000171 000174 000175 000186 000187 000190 000191
000198 000203 000211 000212 000220 000240 000245 000248 000249
000250 000252 000267 000274 000286 000301 000318 000329 000342
000347 000353 000371 000374 000376 000378 000387 000399

FILM LIST
000009 000014 000018 000019 000037 000040 000046 000105 000107
000124 000136 000142 000147 000149 000153 000155 000161 000181
000213 000214 000215 000237 000252 000268 000315 000362 000363

FILMSTRIP LIST
000014 000124 000149 000155 000181 000252 000315

FILTRATION
000037 000137 000230

FISH
000010 000042 000044 000050 000051 000054 000065 000069 000078
000103 000105 000106 000108 000114 000116 000126 000134 000135
000138 000142 000146 000147 000150 000152 000161 000167 000175
000179 000189 000194 000199 000200 000205 000206 000211 000213
000215 000216 000217 000220 000230 000234 000237 000240 000241
000245 000246 000249 000251 000256 000261 000264 000274 000276
000277 000280 000281 000296 000300 000301 000303 000305 000309
000316 000319 000324 000325 000329 000330 000331 000333 000339
000344 000351 000373 000376 000379 000381 000382

FISHERY
000005 000006 000010 000021 000022 000024 000043 000050 000076
000077 000103 000105 000111 000113 000114 000136 000150 000179
000199 000200 000203 000225 000243 000246 000251 000260 000264
000265 000266 000281 000285 000294 000295 000301 000304 000305
000334 000337 000339 000344 000348 000368 000382

FOOD WEB
000010 000012 000039 000044 000047 000054 000065 000094 000103
000104 000136 000147 000150 000152 000165 000170 000175 000186
000193 000194 000203 000206 000212 000213 000217 000240 000250
000251 000252 000256 000265 000277 000280 000283 000294 000301
000302 000303 000306 000325 000329 000349 000351 000374 000375
000398

FOSSIL
000055 000150 000301 000329 000332

FRESH WATER
000136 000145 000201 000213 000217 000240 000247 000269 000277
000301 000308 000315 000340 000344 000351 000380

GEOLOGY
000010 000016 000029 000036 000050 000053 000059 000060 000063
000066 000068 000091 000103 000104 000105 000107 000112 000114
000115 000116 000123 000125 000126 000132 000135 000136 000144
000147 000148 000149 000150 000152 000155 000160 000161 000163
000174 000175 000179 000182 000183 000186 000190 000194 000198
000202 000204 000210 000212 000214 000215 000219 000237 000239
000246 000251 000252 000254 000258 000259 000261 000262 000271
000278 000279 000287 000291 000294 000301 000303 000320 000323
000329 000330 000340 000342 000344 000351 000365 000375 000376
000377 000382 000387 000398 000400

GRASSFLAT
000065 000190 000240

GRAVITY
000053 000329 000340

HABITAT
000011 000033 000049 000065 000094 000120 000131 000150 000186
000191 000194 000207 000240 000247 000251 000252 000257 000274
000282 000284 000292 000294 000296 000325 000331 000338 000349
000351 000375 000378 000387 000392

HARVESTING
000047 000048 000050 000069 000087 000104 000111 000217 000241
000264 000265 000277 000285 000305 000315 000338 000379

HERITAGE
000005 000246 000287 000301 000304 000305 000344 000380

HERMIT CRAB
000108 000138 000142 000150 000186 000189 000194 000214 000217
000277 000280 000292 000375 000381

HISTORY
000005 000053 000061 000087 000107 000116 000148 000149 000150
000174 000175 000182 000211 000212 000215 000225 000248 000252
000264 000271 000281 000291 000301 000304 000312 000330 000340
000341 000344 000377 000382 000398

HORSESHOE CRAB
000044 000052 000055 000069 000072 000138 000150 000214 000237
000240 000292 000313 000329 000336 000342

HUMANITIES
000211 000344

HYDRA
000002 000273 000329 000351

HYDROLOGIC CYCLE
000036 000137 000150 000179 000287 000289 000340 000344 000351
000365

ICE
000010 000144 000145 000150 000179 000231 000261 000264 000301
000340 000344 000351

IDENTIFICATION
000007 000010 000017 000037 000046 000054 000057 000058 000065
000078 000079 000080 000095 000098 000100 000102 000121 000123
000126 000131 000141 000142 000146 000159 000161 000166 000167
000174 000175 000186 000197 000207 000212 000213 000221 000223
000227 000232 000233 000235 000237 000238 000240 000245 000247
000249 000256 000257 000273 000274 000275 000280 000292 000303
000316 000329 000331 000337 000345 000349 000373 000378 000381
000382

IMPACT STUDY
000139

IMPLEMENTATION
000269 000270

INDUSTRY
000153 000154 000171 000240 000258 000260 000265 000266 000271
000281 000287 000304 000308 000317 000342 000344 000383

INSECT
000010 000011 000050 000203 000256 000256

INSTRUCTION
000073 000093 000111 000113 000115 000117 000127 000128 000143
000173 000211 000253 000258 000259 000260 000261 000267 000269
000270 000271 000278 000279 000291 000301 000317 000347 000380
000387 000388

INTERTIDAL AREA
000038 000039 000052 000053 000058 000067 000078 000085 000086
000102 000110 000114 000116 000136 000142 000150 000160 000174
000175 000189 000206 000212 000212 000215 000251 000252 000274
000298 000307 000320 000321 000329 000342 000345 000351 000374
000375 000378 000400

ISOPOD
000049 000186 000256

JETTY
000039

LABORATORY
000117 000153 000154 000161 000322 000329 000347

LATITUDE
000061 000091 000398

LAW
000076 000077 000087 000096 000118 000144 000203 000229 000246
000258 000259 000263 000265 000305 000330 000382 000399

LIBRARY
000056 000083

LIFE CYCLE
000001 000010 000015 000021 000022 000024 000050 000087 000100
000142 000150 000237 000273 000275 000295 000299 000302 000311
000314 000334 000337 000342 000349 000354 000368

LIGHT
000091 000103 000126 000150 000179 000186 000206 000213 000215
000237 000240 000249 000265 000276 000298 000302 000324 000340

LIGHTHOUSE
000304

LIMNOLOGY
000036 000037 000144 000179 000365

LIMPET
000072 000274 000280

LITERATURE
000005 000014 000084 000089 000093 000094 000105 000133 000164
000186 000201 000211 000212 000213 000214 000215 000252 000264
000274 000301 000304 000329 000344 000380

LOBSTER
000052 000069 000072 000150 000199 000200 000213 000215 000237
000246 000251 000274 000381

LOCOMOTION
000002 000095 000142 000214 000215 000274 000329 000338 000369
000381 000392 000397

LONGITUDE
000061 000091 000398

LONGSHORE CURRENT
000017 000041 000047 000152 000163 000174 000198 000252

MAMMAL
000010 000093 000114 000118 000126 000147 000150 000161 000179
000189 000212 000215 000245 000248 000249 000301 000329 000335
000344 000351 000373 000382 000390 000392 000393 000394 000395
000396 000397

MANAGEMENT
000076 000087 000088 000111 000152 000203 000211 000246 000251
000254 000260 000263 000276 000281 000287 000301 000308 000400

MANGROVE
000065 000190 000240 000298 000324 000325 000374 000376

MARITIME FOREST
000038 000039 000066 000092 000175

MATH
000130 000142 000149 000158 000175 000237 000248 000252 000255
000300 000301 000329 000345 000371

METEOROLOGY
000010 000144 000148 000149 000155 000179 000185 000279 000291
000330 000377

MIGRATION
000021 000022 000225

MILITARY
000271 000301 000305 000344

MOLLUSK
000001 000007 000010 000012 000042 000044 000050 000051 000052
000069 000072 000078 000087 000090 000108 000116 000135 000138
000142 000147 000150 000152 000159 000160 000179 000186 000189
000194 000199 000200 000212 000213 000214 000215 000217 000227
000230 000232 000234 000235 000237 000240 000243 000256 000274
000277 000280 000301 000303 000329 000351 000355 000371 000374
000379 000381

MOLT
000368

MUDFLAT
000085 000150 000345 000375 000376 000400

MUSEUM
000005 000099 000260 000305

MUSIC
000095 000129 000136 000159 000186 000201 000220 000248 000251
000274 000286 000305 000329 000332 000333 000338

MUSSEL
000050 000065 000069 000072 000108 000116 000189 000213 000215
000232 000256 000378 000381

NAVIGATION
000061 000091 000096 000111 000125 000126 000136 000179 000226
000229 000249 000264 000280 000282 000304 000329 000330 000365
000377 000382 000399

NEKTON
000037 000103 000126 000148 000149 000186 000291 000298

NUTRITION
000022 000050 000144 000150 000152 000179 000256 000266 000301
000305 000344

OCEAN FLOOR
000048 000053 000059 000068 000091 000103 000104 000107 000116
000126 000144 000147 000149 000150 000163 000179 000186 000198
000202 000204 000214 000215 000246 000261 000262 000265 000291
000315 000329 000340 000344 000365 000366 000376 000377 000398

OCEANARIUM
000093

OCTOPUS
000108 000150 000189 000213 000214 000215 000381

OIL
000036 000139 000144 000147 000203 000212 000246 000251 000260
000265 000282 000301 000305 000344

OSMOSIS
000010

OTTER
000118 000161

OUTER BANKS
000038

OXYGEN
000030 000037 000108 000109 000126 000149 000152 000175 000178
000206 000240 000345

OYSTER
000001 000050 000069 000087 000090 000116 000150 000152 000159
000179 000186 000199 000213 000215 000217 000232 000234 000277
000280 000281 000371 000374 000379

PATHOLOGY
000010

PERIODICAL
000149 000315 000382 000384 000385

PERIODICALS
000008 000025 000093 000122 000153 000154 000155 000218 000219
000237 000251 000268 000291

PH
000037 000108 000109 000126 000134 000175 000230 000237 000249
000340 000342 000345 000372

PHOTOGRAPHY
000014 000032 000036 000106 000108 000120 000124 000162 000260
000301

PHOTOSYNTHESIS
000010 000039 000054 000150 000190 000247 000276 000298 000301
000325 000340 000351 000365

PHYSICS
000010 000013 000017 000029 000031 000037 000041 000046 000047
000048 000053 000059 000062 000091 000103 000107 000108 000112
000114 000115 000116 000125 000126 000130 000136 000139 000140
000144 000145 000146 000147 000148 000149 000150 000152 000155
000160 000161 000163 000164 000174 000179 000182 000185 000186
000190 000191 000198 000204 000210 000212 000213 000215 000219
000226 000231 000237 000239 000240 000251 000252 000254 000255
000258 000259 000261 000262 000271 000274 000278 000279 000287
000290 000291 000293 000301 000303 000305 000307 000312 000320
000323 000329 000330 000340 000342 000344 000345 000349 000350
000351 000365 000374 000376 000377 000382 000386 000387 000398

PLANKTON
000002 000010 000012 000036 000037 000046 000047 000049 000050
000065 000065 000072 000078 000094 000103 000104 000121 000126
000146 000147 000148 000149 000150 000152 000161 000165 000166
000169 000170 000175 000179 000194 000197 000203 000206 000207
000213 000237 000238 000240 000247 000249 000250 000252 000261
000291 000295 000299 000301 000303 000306 000325 000329 000340
000345 000361 000362 000363 000365 000375

PLANT
000011 000017 000030 000036 000038 000053 000054 000065 000066
000085 000103 000123 000135 000139 000150 000160 000175 000186
000190 000191 000193 000194 000211 000212 000216 000217 000240
000251 000252 000256 000257 000276 000277 000294 000303 000324
000327 000328 000375 000400

PLATE TECTONICS
000091 000103 000104 000147 000202 000204 000212 000340 000377
000398

POLLUTION
000010 000012 000036 000037 000075 000085 000087 000136 000137
000139 000144 000147 000149 000150 000152 000167 000179 000190
000191 000203 000212 000240 000247 000250 000251 000263 000280
000282 000283 000287 000289 000294 000297 000301 000304 000322
000325 000329 000344 000345 000349 000351 000377 000382

POPULATION
000054 000211 000225 000237 000261 000269 000301 000302 000337
000345 000365 000380 000395

PORPOISE
000118 000150

PRESSURE
000103 000116 000126 000145 000179 000206 000298 000340 000398

PROFILE
000016 000017 000066 000132 000136 000146 000152 000174 000175
000190 000237 000240 000251 000329 000375

PROTECTION
000044 000103 000104 000205 000214 000215 000243 000284 000301
000329 000381

PROTOZOAN
000004 000037 000050 000227 000329 000351

PUZZLE
000208 000209 000240 000248 000251 000304 000340 000358 000361

RATIONALE
000269 000270

RECIPE
000052 000105 000186 000207 000251

RECREATION
000067 000069 000081 000103 000105 000136 000139 000144 000199
000200 000203 000215 000225 000226 000229 000240 000250 000251
000260 000263 000264 000266 000281 000287 000291 000294 000301
000304 000305 000329 000344 000359 000379 000380 000383 000399

RED TIDE
000179

REEF
000010 000103 000104 000148 000186 000274 000301 000340 000376
000382

REFRACTION
000145

REGENERATION
000103 000334

REPRODUCTION
000002 000006 000010 000015 000021 000022 000024 000044 000050
000087 000103 000186 000188 000205 000211 000214 000223 000237
000247 000251 000273 000275 000295 000301 000302 000303 000313
000314 000327 000329 000334 000336 000337 000344 000349 000368
000381 000390 000392 000393 000395

REPTILE
000069 000138 000147 000150 000188 000194 000246 000256 000310
000357 000373 000381 000382

RESEARCH
000271 000287 000291 000301 000304 000347 000348 000366

RESOURCE
000067 000076 000077 000103 000105 000107 000111 000113 000116
000135 000136 000145 000147 000150 000163 000179 000199 000200
000203 000211 000215 000246 000251 000254 000258 000260 000261
000263 000265 000266 000269 000271 000278 000279 000282 000287
000289 000291 000301 000304 000315 000318 000330 000344 000348
000365 000366 000377 000379 000380 000383 000398 000400

RESPIRATION
000010 000039 000152 000205 000206 000276 000300 000329 000340
000393

REVIEW
000093 000211 000212 000301

RIVER
000190 000240 000276 000286 000287 000320 000351

SAFETY
000078 000096 000097 000105 000228 000229 000244 000264 000274
000286 000319 000321 000399

SALINITY
000017 000030 000053 000091 000107 000108 000126 000140 000146
000147 000149 000150 000152 000163 000175 000179 000186 000190
000191 000192 000195 000198 000202 000206 000212 000213 000214
000230 000237 000240 000262 000266 000274 000277 000295 000298
000301 000307 000308 000324 000325 000329 000340 000342 000344
000345 000351 000365 000372 000376 000386 000398

SALTWATER
000217

SALTWATER AQUARIUM
000047 000050 000108 000109 000134 000142 000186 000195 000196
000211 000230 000237 000274

SAND
000017 000053 000059 000060 000066 000105 000132 000150 000152
000160 000161 000174 000175 000194 000195 000196 000198 000210
000211 000237 000240 000251 000252 000274 000277 000320 000323
000329 000359 000364 000375 000400

SAND DOLLAR
000052 000161 000213 000215 000280

SAND MOVEMENT
000041 000092 000320 000323

SCALLOP
000069 000072 000142 000186 000199 000200 000213 000215 000217
000277 000280

SEA CUCUMBER
000052 000103 000161 000186 000189 000213 000274 000381

SEA LEVEL
000174 000175 000202 000226 000291 000293 000340 000376 000377

SEA LION
000118 000394 000397

SEA STAR
000052 000069 000072 000108 000150 000161 000186 000189 000213
000214 000215 000234 000274 000280 000381

SEA URCHIN
000052 000072 000103 000108 000150 000161 000186 000213 000215
000237 000274 000280 000314 000342 000381

SEAFOOD
000047 000050 000052 000069 000076 000077 000087 000094 000103
000105 000111 000116 000116 000161 000179 000186 000199 000200
000203 000213 000215 000221 000224 000225 000240 000244 000251
000260 000264 000265 000281 000301 000305 000308 000334 000344
000348 000371 000380

SEAL
000118 000161 000189 000301 000392 000394 000397

SEAWEED
000072 000123 000141 000142 000147 000150 000160 000179 000186
000189 000207 000213 000230 000237 000274 000277 000280 000303
000344 000360 000375

SEDIMENT
000004 000010 000068 000103 000150 000152 000179 000249 000261
000276 000287 000294 000329 000340 000365 000398

SHARK
000103 000104 000105 000126 000147 000150 000215 000221 000222
000223 000224 000225 000237 000245 000249 000301 000348 000358
000381 000382

SHELL
000007 000052 000072 000081 000095 000103 000108 000114 000116
000142 000186 000214 000251 000265 000274 000277 000280 000292
000301 000302 000303 000329 000334 000337 000355 000368 000381
000382

SHIPBUILDING
000136 000248 000260 000304

SHRIMP
000010 000042 000051 000052 000069 000108 000138 000142 000186
000199 000200 000213 000215 000216 000237 000256 000274 000277
000280 000295 000302 000329 000337 000342

SIMULATION GAME
000014 000059 000088 000136

SNAIL
000012 000042 000051 000069 000072 000108 000138 000142 000186
000189 000213 000215 000217 000234 000235 000256 000274 000277
000280 000283 000378 000381

SOCIAL STUDIES
000301 000340

SOUND
000136 000144 000265 000280 000329 000340

SPONGE
000006 000049 000050 000052 000142 000147 000150 000227 000230
000234 000237 000242 000280 000303 000329 000354

SQUID
000052 000142 000150 000243 000280

STARFISH
000138 000142

STINGRAY
000244

STREAM
000037 000044 000075 000276

SUBMERSIBLE
000103 000105 000150 000179 000260 000261 000264 000265 000266
000304 000315 000330 000340 000351 000366

SURVEY
000133

SYMBIOSIS
000103 000104 000329

TEMPERATURE
000004 000012 000053 000074 000103 000116 000126 000134 000140
000145 000146 000147 000149 000150 000152 000163 000164 000175
000178 000179 000186 000190 000192 000195 000206 000223 000230
000231 000240 000249 000262 000274 000276 000287 000298 000300
000301 000302 000329 000340 000344 000345 000351 000375 000376
000386 000398

51

TIDE
000010 000016 000046 000047 000048 000050 000053 000059 000085
000091 000103 000104 000107 000116 000123 000126 000132 000144
000147 000149 000150 000160 000160 000161 000163 000174 000179
000186 000192 000198 000210 000215 000226 000237 000251 000255
000261 000264 000274 000293 000298 000299 000303 000305 000307
000313 000321 000329 000340 000344 000351 000356 000365 000374
000375 000376 000398

TIDE POOL
000104 000136 000160 000186 000189 000212 000274 000375 000378

TRADE
000005 000251 000260 000264 000301 000304 000344

TRAINING
000027 000028 000043 000064 000070 000071 000111 000127 000128
000143 000203 000267 000269 000270 000279 000301 000391 000397

TRANSPORTATION
000068 000111 000144 000199 000200 000215 000240 000263 000264
000266 000269 000301 000305 000344 000380

TREATMENT
000289

TROPHIC LEVEL
000012

TSUNAMI
000010 000103 000104 000148 000163 000179 000198 000215 000261
000351 000365 000398

TUNICATE
000303 000329

TURBIDITY
000037 000091 000179 000190 000191 000237 000249 000276 000340
000345

TURTLE
000069 000188 000246 000256 000357

UPWELLING
000165 000285 000301 000340 000344

VESSEL
000261 000264 000267 000280 000286 000304 000305 000330 000340
000342 000365 000379 000399

VOCABULARY
000126 000142 000148 000150 000171 000175 000176 000186 000190
000192 000194 000199 000200 000202 000204 000215 000221 000229
000240 000248 000251 000269 000270 000274 000280 000284 000301
000303 000306 000307 000308 000329 000339 000340 000345 000365
000380 000398 000399 000400

WALRUS
000118 000395

WATER QUALITY
000037

WAVE
000010 000016 000017 000041 000046 000047 000053 000059 000091
000103 000104 000105 000107 000116 000132 000144 000145 000147
000148 000150 000161 000163 000174 000175 000179 000194 000198
000210 000211 000215 000217 000237 000251 000252 000261 000264
000277 000287 000294 000298 000303 000307 000320 000323 000329
000340 000351 000365 000375 000377 000398 000400

WEATHER
000017 000036 000068 000075 000096 000116 000145 000158 000161
000179 000229 000251 000252 000263 000266 000278 000287 000290
000291 000344 000348 000375 000399

WETLAND
000012 000030 000035 000038 000039 000054 000066 000088 000092
000129 000136 000147 000150 000152 000160 000174 000175 000190
000191 000193 000194 000202 000203 000211 000212 000240 000251
000256 000257 000294 000298 000303 000320 000327 000328 000329
000340 000375 000377 000400

WHALE
000093 000118 000150 000179 000212 000215 000248 000264 000304
000393 000396 000397

WIND
000016 000041 000059 000091 000126 000140 000148 000150 000152
000179 000210 000231 000240 000248 000249 000252 000340 000351
000365

WORM
000052 000069 000072 000108 000142 000150 000194 000227 000230
000234 000274 000280 000303 000329 000351 000376

ZONATION
000039 000044 000046 000048 000049 000053 000078 000123 000141
000150 000174 000175 000186 000193 000194 000206 000212 000240
000251 000252 000256 000262 000298 000303 000307 000320 000321
000323 000324 000325 000329 000376 000378 000400

LISTING OF AVAILABLE ENTRIES
BY ACCESSION NUMBERS

000001
1968
BAILEY, R.; BIGGS, F.
THE ADVENTURES OF LITTLE OYSTER
VA: VIMS EDUC SER 7; 23PP.
BIOLOGY; OYSTER; MOLLUSK; LIFE CYCLE
FICTION
T S : P U

000002
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ANIMALS OF THE SEA: COELENTERATES
SC: CHARLESTON COUN OCEAN SCI PROJ; 40PP.
BIOLOGY; COELENTERATE; ANEMONE; CORAL; BEHAVIOR; PLANKTON; REPRODUCTION; HYDRA; LOCOMOTION
UNIT; LAB EX
T : H

000003
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ANIMALS OF THE SEA: CTENOPHORES
SC: CHARLESTON COUN OCEAN SCI PROJ; 12PP.
BIOLOGY; CTENOPHORE
UNIT; LAB EX
T : H

000004
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ANIMALS OF THE SEA: PROTOZOA
SC: CHARLESTON COUN OCEAN SCI PROJ; 14PP.
BIOLOGY; PROTOZOAN; SEDIMENT; TEMPERATURE
UNIT; LAB EX
T : H

000005
1975
HEITZMANN, W.
AMERICA'S FORGOTTEN MARITIME HERITAGE: A BICENTENNIAL TREASURE
SOCIAL EDUC, OCT 1975; 400-406
HISTORY; HERITAGE; LITERATURE; FISHERY; TRADE; CAREER; MUSEUM
ARTICLE
T : P U I H A

000006
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ANIMALS OF THE SEA: SPONGES
SC: CHARLESTON COUN OCEAN SCI PROJ; 24PP.
BIOLOGY; SPONGE; FISHERY; REPRODUCTION
UNIT; LAB EX
T : H

000007
N.D.
PARMER, C.
ANIMALS WITH SHELLS - SEASHELLS
FL: FL 4-H MAR PROG, COOP EXT SERV, UNIV OF FL, GAINESVILLE, FL; 5PP.
SHELL; MOLLUSK; IDENTIFICATION
ARTICLE
S : U I

000008
1977
STEGNER, R.
AN ANNOTATED BIBLIOGRAPHY OF PERIODICAL SOURCES FOR MARINE ENVIRONMENT STUDIES
DE: PROJ COAST, UNIV OF DE, SG PROG; 21PP.
PERIODICALS; BIBLIOGRAPHY
REFERENCE
T S : A

000009
1977
WEEKS, T.; LEVITAN, B.
ANNOTATED LIST OF FILMS FOR USE IN COASTAL AND OCEANIC STUDIES
DE: PROJ COAST, UNIV OF DE; 23PP.
FILM LIST
FILM LIST
T : P U I H A

000010
N.D.
ELLIOTT, J.; LEE, R.
AQUACULTURE - A COURSE OF STUDY FOR SAND POINT SECONDARY SCHOOL
AK: AK SG PROG, UNIV OF AK; 88PP.
AQUACULTURE; BIOLOGY; FISHERY; INSECT; LIFE CYCLE; REPRODUCTION; RESPIRATION; PHOTOSYNTHESIS; OSMOSIS; PATHOLOGY; MOLLUSK; ECHINODERM; IDENTIFICATION; MAMMAL; BIRD; FOOD WEB; GEOLOGY; REEF; SEDIMENT; CHEMISTRY; PHYSICS; TIDE; DENSITY; WAVE; TSUNAMI; CURRENT; CORIOLIS EFFECT; ICE; METEOROLOGY; ESTUARY; PLANKTON; COASTLINE; BENTHOS; POLLUTION; FISH; CRAB; SHRIMP; EROSION; ALGAE
CURRICULUM
T : I H

000011
1977
WINGET, R.
AQUATIC LIFE IN A UTAH DESERT
AMER BIOL TEACHER; 39(5): 279-284
BIOLOGY; INSECT; HABITAT; PLANT
ARTICLE
T S : H A

000012
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ASPECTS OF MARINE ECOLOGY
SC: CHARLESTON COUN OCEAN SCI PROJ; 53PP.
BIOLOGY; FOOD WEB; PLANKTON; TEMPERATURE; POLLUTION; WETLAND; CRAB;
CRUSTACEAN; SNAIL; MOLLUSK; ENVIRONMENT; ENERGY; TROPHIC LEVEL; DETRITUS
UNIT; LAB EX
T : H

000013
1973
SCHWEITZER, J.
AS THE WORLD TURNS: THE CORIOLIS EFFECT
LA: LSU MAR SCI TEACH AID; 4PP.
CORIOLIS EFFECT; PHYSICS; CURRENT
ARTICLE; DEMO
T : H

000014
1977
STEGNER, R.
AUDIO-VISUAL AIDS, GAMES AND ART FOR MARINE ENVIRONMENT STUDIES
DE: PROJ COAST, UNIV OF DE, SG PROG; 89PP.
FILM LIST; FILMSTRIP LIST; SIMULATION GAME; ART; PHOTOGRAPHY; LITERATURE
REFERENCE
T : P U I H A

000015
N.D.
MARINE ADVISORY SERVICE
THE BARNACLE FACT SHEET
RI: MAR ADV SERV, NOAA SG, UNIV OF RI; 2PP.
BARNACLE; CRUSTACEAN; BIOLOGY; REPRODUCTION; LIFE CYCLE
ARTICLE
T S : I H

000016
1976
BIRD, N.
BEACHES - SHIFTING SANDS OF GOLD
SC: SC SG, 4-H MAR ACT, CLEMSON UNIV; 8PP.
BEACH; EROSION; WAVE; WIND; TIDE; PROFILE; GEOLOGY
FIELD GUIDE
T : I H

000017
1976
MARTIN COUNTY SCHOOLS
EIGHTH GRADE: BEACH INVESTIGATION
FL: MARTIN COUN SCHOOLS ENVIRON STUD CENT, JENSEN BCH, FL; 90PP.
BEACH; PROFILE; SAND; LONGSHORE CURRENT; WAVE; CURRENT; DENSITY; PHYSICS;
PLANT; IDENTIFICATION; ADAPTATION; SALINITY; DUNE; WEATHER
UNIT
T : I

000018
1973
MORGAN, M.
A BIBLIOGRAPHY OF ELEMENTARY AND SECONDARY MARINE SCIENCE CURRICULUM
PROJECTS AND EDUCATIONAL MATERIALS
RI: SG, UNIV OF RI, MAR BULL SER NO 15; 23PP.
FILM LIST; BIBLIOGRAPHY
REFERENCE; FILM LIST
T : P U I H

000019
1976
LEE, R.; WRIGHT, F.
BIBLIOGRAPHY OF MARINE TEACHING MATERIALS
AK: MAR ADV PROG, COOP EXT SERV, UNIV OF AK, ANCHORAGE, AK; 40PP.
FILM LIST; BIBLIOGRAPHY
REFERENCE; FILM LIST
T : P U I H

000020
1971
SCHWEITZER, J.
A BIBLIOGRAPHY OF POPULAR BOOKS ON THE MARINE ENVIRONMENT AND WETLANDS
ECOLOGY
DE: MAR ENVIRON CURR STUD, COLL OF EDUC, UNIV OF DE, NEWARK, DE, 24PP.
BIBLIOGRAPHY
REFERENCE
T : P U I H

000021
1943
NEWCOMBE, C.
THE BIOLOGY AND CONSERVATION OF THE BLUE CRAB
VA: VA FISH LAB OF THE COLL OF WILLIAM AND MARY AND COMM OF FISH, ED SERNO 3; 14PP.
BIOLOGY; CRAB; CRUSTACEAN; REPRODUCTION; LIFE CYCLE; MIGRATION; FISHERY
ARTICLE
T : H A

000022
1945
NEWCOMBE, C.
THE BIOLOGY AND CONSERVATION OF THE BLUE CRAB, CALLINECTES SAPIDUS RATHBUN
VA: VA FISH LAB OF THE COLL OF WILLIAM AND MARY AND COMM OF FISH, EDUC SER NO 4; 39PP.
BIOLOGY; CRAB; CRUSTACEAN; FISHERY; LIFE CYCLE; REPRODUCTION; MIGRATION; NUTRITION
ARTICLE
T S : H A

000023
1949
BAILEY, R.
THE BLUE CRAB - A STUDY FOR SECONDARY SCHOOL PUPILS, TEACHER SUPPLEMENT
VA: VA FISH LAB, YORKTOWN, VA; 4PP.
BIOLOGY; CRAB; CRUSTACEAN; COLLECTING; ADAPTATION
LAB EX
T : I H

000024
N.D.
LUCCHESI, L.
THE BLUE CRAB: CALLINECTES SAPIDUS
NJ: THE WETLANDS INST, STONE HARBOR, NJ; 4PP.
CRAB; CRUSTACEAN; LIFE CYCLE; REPRODUCTION; FISHERY; BIOLOGY
ARTICLE
T S : H A

000025
1968
WOMETCO ENTERPRISES INC.
BOOKS AND ARTICLES ABOUT THE SEA
FL: SEAQUARIUM SCI SER 1, WOMETCO MIAMI SEAQUARIUM, RICKENBACKER CAUSEWAY, MIAMI, FL; 31PP.
BIBLIOGRAPHY; PERIODICALS
REFERENCE
T : I H

000026
1971
NEW ENGLAND MARINE RESOURCES INFORMATION PROGRAM
CAREER AND EDUCATION BIBLIOGRAPHY
RI: NEMRIP, NARRAGANSETT BAY CAMPUS, UNIV OF RI, NARRAGANSETT, RI; 7PP.
BIBLIOGRAPHY; CAREER
REFERENCE
T S : I H

000027
1971
BAILEY, R.
CAREERS IN MARINE SCIENCE
VA: EDUC SER NO 14, VA INST OF MAR SCI, GLOUCESTER PT, VA; 11PP.
CAREER; TRAINING
ARTICLE
S : I H

00C028
1976
NEAL, V.
CAREERS IN OCEANOGRAPHY
OR: OR STATE UNIV; 8PP.
CAREER; TRAINING; EMPLOYMENT
ARTICLE
S : I H

00C029
1977
STEGNER, R.
A CATALOG OF CURRICULUM MATERIALS FOR MARINE ENVIRONMENT STUDIES
DE: PROJ COAST, UNIV OF DE, SG PROG, NEWARK, DE; 38PP.
BIBLIOGRAPHY; BIOLOGY; CHEMISTRY; PHYSICS; GEOLOGY
REFERENCE; CURRICULUM
T : P L I H

000030
N.C.
WILLIAMS, J.
THE CHESAPEAKE HERITAGE PROJECT: METHODS MANUAL
MD: CHESAPEAKE BAY FOUN, ANNAPOLIS, MD; 18PP.
SALINITY; OXYGEN; WETLAND; PLANT; CHEMISTRY; BIOLOGY
FIELD GUIDE
T : I H

000031
1975
SCHWEITZER, J.
CIRCULATION IN ESTUARIES
LA: LSU MAR SCI TEACH AID, CENT FOR WETLAND RESOURCES, LSU, BATON ROUGE, LA; 8PP.
ESTUARY; CIRCULATION; CORICLIS EFFECT; PHYSICS
ARTICLE, LAB EX
T : H

000032
1976
LEE, R.
CLOSE-UP PHOTOGRAPHY FOR THE MARINE SCIENCE CLASSROOM
AK: MAR SCI CURR AID NO 3, MAR ADV PROG, COOP EXT SERV, UNIV OF AK, ANCHORAGE, AK; 10PP.
PHOTOGRAPHY
ARTICLE
T : I H

000033
1976
MARTIN COUNTY SCHOOLS
SECOND GRADE: COMMUNITIES
FL: MARTIN COUN SCHOOLS, ENVIRON STUD CENT, JENSEN BCH, FL; 46PP.
HABITAT; ADAPTATION; COMMUNITY; BIOLOGY
UNIT
T : P

000034
1976
LEE, R.
CONSTRUCTION AND MAINTENANCE OF CLASSROOM AQUARIA
AK: MAR ADV PROG, COOP EXT SERV, UNIV OF AK, ANCHORAGE, AK; 17PP.
AQUARIUM
ARTICLE
T : P U I H

000035
1970
HON, W.; YEATER, L.
CREATING EFFECTIVE FIELD EXPERIENCES FOR COASTAL SCHOOLS
NC: REG MAR SCI PROJ, CARTERET COUN SCHOOLS, BEAUFORT, NC; 24PP.
FIELD TRIP; WETLAND
FIELD GUIDE; REFERENCE
T : U I H

000036
1971
INSTITUTE FOR ENVIRONMENTAL EDUCATION
A CURRICULUM ACTIVITIES GUIDE TO WATER POLLUTION AND ENVIRONMENTAL STUDIES, VOL ONE
OH: INST FOR ENVIRON EDUC, CLEVELAND HEIGHTS, OH; 304PP.
HYDROLOGIC CYCLE; WEATHER; BIOLOGY; CHEMISTRY; GEOLOGY; POLLUTION; LIMNOLOGY; OIL; PLANT; ALGAE; PLANKTON; PHOTOGRAPHY
CURRICULUM
T : P U I H

000037
1971
INSTITUTE FOR ENVIRONMENTAL EDUCATION
A CURRICULUM ACTIVITIES GUIDE TO WATER POLLUTION AND ENVIRONMENTAL STUDIES, VOL TWO
OH: INST FOR ENVIRON EDUC, CLEVELAND HEIGHTS, OH; 313PP.
CHEMISTRY; OXYGEN; TURBIDITY; PH; WATER QUALITY; BACTERIA; FILTRATION; BIOLOGY; POLLUTION; PLANKTON; IDENTIFICATION; ALGAE; PROTOZOAN; CRUSTACEAN; BENTHOS; BOTTOM GRAB; LIMNOLOGY; NEKTON; ENGINEERING; PHYSICS; STREAM; FIELD TRIP; BIBLIOGRAPHY; FILM LIST
CURRICULUM
T : P U I H

000038
1969
TAYLOR, B.
THE FIELD APPROACH TO COASTAL ECOLOGY - SPRING UNIT
NC: REG MAR SCI PROJ, CARTERET COUN PUBLIC SCHOOLS, BEAUFORT, NC; 39PP.
FIELD TRIP; OUTER BANKS; PLANT; BEACH; MARITIME FOREST; INTERTIDAL AREA; DUNE; WETLAND; EROSION; COMMUNITY; COASTAL PLAIN; BIOLOGY
UNIT
T : I H

000039
1970
TAYLOR, B.
THE FIELD APPROACH TO COASTAL ECOLOGY - FALL UNIT
NC: REG MAR SCI PROJ, CARTERET COUN PUBLIC SCHOOLS, BEAUFORT, NC; 39PP.
INTERTIDAL AREA; DUNE; MARITIME FOREST; WETLAND; JETTY; CHEMISTRY; PHOTOSYNTHESIS; RESPIRATION; FOOD WEB; ENVIRONMENT; ZONATION
UNIT
T : I H

000040
1969
DU REST, R.
FILMS ON OCEANOGRAPHY
DC: US NAVAL OCEAN OFFICE; 99PP.
FILM LIST
FILM LIST
T : P U I H A

000041
N.D.
CULTRERA, S.
FIELD INVESTIGATIONS FOR THE BEACH AND MARSH
ME: REG ACAD MAR PROG, KITTERY, ME; 24PP.
BEACH; LONGSHORE CURRENT; WAVE; SAND MOVEMENT; CURRENT; WIND; PHYSICS
FIELD GUIDE
T : I H

000042
1976
MARTIN COUNTY SCHOOLS
FIRST GRADE ANIMAL FLASH CARDS
FL: MARTIN COUN SCHOOLS, ENVIRON STUD CENT, JENSEN BCH, FL; 10PP.
SHRIMP; CRUSTACEAN; BIRD; CRAB; SNAIL; MOLLUSK; FISH
FLASH CARDS
T S : P

000043
1965
MARTIN, R.
FISHERY SCIENCE AND RELATED COURSES IN NORTH AMERICAN COLLEGES AND UNIVERSITIES
DC: SPORT FISHING INST, WASHINGTON, DC; 33PP.
FISHERY; CAREER; TRAINING; BIOLOGY
ARTICLE
T S : H A

000044
N.D.
ELEMENTARY EDUCATION CENTER
FISHES 'N' THINGS
VA: ELEM EDUC CENT, ROANOKE CITY PUB SCHOOLS, ROANOKE, VA; 21PP.
COELENTERATE; MOLLUSK; CRUSTACEAN; HORSESHOE CRAB; ECHINODERM; FISH; FOOD WEB; PROTECTION; ZONATION; REPRODUCTION; STREAM; BIOLOGY
LESSON PLAN
T : P U

000045
N.D.
PARMER, C.
FLORIDA'S SANDY BEACHES
FL: FL 4-H MAR PROG, COOP EXT SERV, UNIV OF FL, GAINESVILLE, FL; 4PP.
BEACH
ARTICLE
T : U I

000046
1972
OSIS, V.; GILES, D.
4-H MARINE SCIENCE LEADER'S GUIDE
OR: EXT SERV, OR STATE UNIV, CORVALLIS, OR; 28PP.
TIDE; WAVE; CURRENT; PHYSICS; FIELD TRIP; ZONATION; AQUARIUM; COLLECTING;
PLANKTON; BIOLOGY; FILM LIST
FIELD GUIDE; ARTS AND CRAFTS
T : P U I H

000047
1975
OSIS, V.; GILES, D.
4-H OCEAN ADVENTURES LEADER'S GUIDE
OR: EXT SERV, OR STATE UNIV, CORVALLIS, OR; 36PP.
PHYSICS; TIDE; WAVE; BEACH; CURRENT; LONGSHORE CURRENT; PLANKTON; FOOD WEB;
SALTWATER AQUARIUM; ALGAE; BIOLOGY; HARVESTING; CRAB; SEAFOOD; FIELD TRIP
FIELD GUIDE; ARTS AND CRAFTS
T : P U I H

000048
1975
OSIS, V.; GILES, D.
4-H OCEAN ADVENTURES MEMBER'S BOOK
OR: EXT SERV, OR STATE UNIV, CORVALLIS, OR; 13PP.
TIDE; OCEAN FLOOR; CURRENT; HARVESTING; FIELD TRIP; IDENTIFICATION;
ZONATION; PHYSICS; BIOLOGY
WORKBOOK
S : U I H

000049
1967
NIEMEYER, V.; MARTIN, D.
A GUIDE TO THE IDENTIFICATION OF THE MARINE PLANTS AND INVERTEBRATE
ANIMALS OF TIDEWATER VIRGINIA
VA: EDUC SER NO 13, VA INST OF MAR SCI, GLOUCESTER PT, VA; 82PP.
BIOLOGY; PLANKTON; COLLECTING; ALGAE; ZONATION; HABITAT; SPONGE;
COELENTERATE; CTENOPHORE; ISOPOD
REFERENCE
T S : I H A

000050
1946
STAFF OF VIRGINIA'S FISHERY LABORATORY
GUIDE TO THE STUDY OF MARINE BIOLOGY AND CONSERVATION
VA: VA FISH LAB AND THE DEPT OF EDUC, COLL OF WILLIAM AND MARY; 115PP.
GEOLOGY; COASTAL PLAIN; TIDE; CHEMISTRY; PLANKTON; PROTOZOAN; SPONGE;
COELENTERATE; ECHINODERM; INSECT; CRUSTACEAN; MOLLUSK; OYSTER; BIOLOGY;
LIFE CYCLE; HARVESTING; SEAFOOD; NUTRITION; CLAM; MUSSEL; CRAB; FISH;
FISHERY; REPRODUCTION; FIELD TRIP; SALTWATER AQUARIUM
CURRICULUM
T : H

000051
1976
MARTIN COUNTY SCHOOLS
FIRST GRADE - HABITATS
FL: MARTIN COUN SCHOOLS, ENVIRON STUD CENT, JENSEN BCH, FL; 35PP.
ENVIRONMENT; SHRIMP; SNAIL; CRAB; BIRD; FISH; CRUSTACEAN; MOLLUSK; BIOLOGY
UNIT
T : P

000052
1973
ZINN, C.
A HANDBOOK FOR BEACH STROLLERS
RI: MAR BULL NO 12, UNIV OF RI, KINGSTON, RI; 116PP.
INTERTIDAL AREA; SPONGE; CORAL; COELENTERATE; BARNACLE; WORM; CRAB;
CRAYFISH; LOBSTER; SHRIMP; HORSESHOE CRAB; ECHINODERM; SAND DOLLAR;
SEA CUCUMBER; SEA URCHIN; SEA STAR; MOLLUSK; SHELL; SQUID; SEAFOOD;
RECIPE; BIOLOGY
REFERENCE
T S : I H A

000053
1969
SCARFF, J.
A HIGH SCHOOL COURSE IN MARINE ECOLOGY - UNIT ONE: INTRODUCTION
NC: REG MAR SCI PROJ, BEAUFORT, NC; 151PP.
HISTORY; CAREER; GEOLOGY; PHYSICS; CHEMISTRY; BIOLOGY; CURRENT;
OCEAN FLOOR; BEACH; ZONATION; INTERTIDAL AREA; PLANT; WAVE; TIDE;
CIRCULATION; SALINITY; TEMPERATURE; FIELD TRIP; DENSITY; GRAVITY; SAND;
DUNE
CURRICULUM
T : H

000054
1969
SCARFF, J.
A HIGH SCHOOL COURSE IN MARINE ECOLOGY - UNIT TWO: ECOSYSTEMS
NC: REG MAR SCI PROJ, BEAUFORT, NC; 129PP.
ENVIRONMENT; PLANT; DENSITY; POPULATION; FOOD WEB; DUNE; ENERGY; PHOTOSYNTHESIS; COASTLINE; WETLAND; IDENTIFICATION; FISH; FIELD TRIP; BIOLOGY
CURRICULUM
T : H

000055
N.D.
MARINE ADVISORY SERVICE
HORSESHOE CRAB FACT SHEET
RI: UNIV OF RI, MAR ADV SERV, NOAA SG; 2PP.
HORSESHOE CRAB; FOSSIL; BIOLOGY
ARTICLE
T S : I H

000056
1976
BIVONA, M.
HOW TO FIND MARINE INFORMATION IN PUBLIC AND SCHOOL LIBRARIES
RI: MAR MEMORANDUM NO 42, MAR ADV SERV, UNIV OF RI; 5PP.
LIBRARY
ARTICLE
S : I H

000057
1974
DEWEES, C.; HOOPER, J.
IDENTIFYING SEASHORE BIRDS
CA: CA SG MAR ADV PUB, COOP EXT, UNIV OF CA; 6PP.
BIRD; COASTLINE; BIOLOGY; IDENTIFICATION
ARTICLE
T S : U I H

000058
1976
DEWEES, C.; HOOPER, J.
IDENTIFYING INTERTIDAL PLANTS AND ANIMALS
CA: CA SG MAR ADV PUB, LEAFLET 2549, UNIV OF CA; 10PP.
INTERTIDAL AREA; BIOLOGY; IDENTIFICATION
FIELD GUIDE
T S : I H

000059
N.D.
HEDGEPETH, M.
EXPLORING INNER SPACE: A GUIDE TO TEACHING MARINE SCIENCE
VA: MATH AND SCI CENT, RICHMOND, VA; 56PP.
OCEAN FLOOR; GEOLOGY; PHYSICS; WIND; CIRCULATION; COASTLINE; SAND; WAVE;
TIDE; ESTUARY; SIMULATION GAME; BIOLOGY
CURRICULUM
T : I

000060
N.D.
PARMER, C.
EXPLORING BEACH SAND
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 4PP.
SAND; GEOLOGY
LAB EX
S : U I

000061
1975
SCHWEITZER, J.
EVOLUTION OF THE SEXTANT
LA: LSU MAR SCI TEACH AID, CENT FOR WETLAND RESOURCES, LA STATE UNIV,
BATON ROUGE, LA; 8PP.
HISTORY; NAVIGATION; LATITUDE; LONGITUDE
ARTICLE
T S : H A

000062
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ESTUARIES
SC: CHARLESTON COUN OCEAN SCI PROJ; 46PP.
ESTUARY; PHYSICS; BIOLOGY
UNIT
T : I H

000063
N.D.
CROASDALE, W.; HILL, E.; FEINER, G.
ENVIRONMENTAL EDUCATION FIELD GUIDE TO RHODE ISLAND
RI: MAR BULL NO 22, UNIV OF RI; 36PP.
FIELD TRIP; BIRD; BIOLOGY; GEOLOGY
FIELD GUIDE
T : P U I H

000064
1972
WOODS HOLE OCEANOGRAPHIC INSTITUTION
EDUCATION PROGRAMS
MA: WOODS HOLE OCEAN INST, WOODS HOLE, MA; 97PP.
TRAINING
REFERENCE
S : H A

000065
1976
MARTIN COUNTY SCHOOLS
FIFTH GRADE - ECOSYSTEMS
FL: MARTIN COUN SCHOOLS, ENVIRON STUD CENT, JENSEN BCH, FL; 71PP.
ENVIRONMENT; PLANKTON; DETRITUS; FOOD WEB; HABITAT; MANGROVE; GRASSFLAT;
CRAB; CRUSTACEAN; FISH; MUSSEL; BARNACLE; PLANKTON; PLANT;
IDENTIFICATION; BIOLOGY
CURRICULUM
T S : U

000066
N.D.
GODFREY, P.; HON, W.
DUNE DETECTIVE
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS, BEAUFORT, NC; 32PP.
FIELD TRIP; DUNE; PLANT; SAND; MARITIME FOREST; WETLAND; PROFILE;
BIOLOGY; GEOLOGY
FIELD GUIDE
T : I H

000067
N.D.
CALLAGHAN, S.
DOWN WHERE THE WATER IS: A COASTAL AWARENESS ACTIVITY BOOK
RI: MAR BULL NO 22, COASTAL RESOURCES CENT, UNIV OF RI; 22PP.
COASTLINE; RESOURCE; INTERTIDAL AREA; RECREATION
WORKBOOK; COLORING BOOK
S : P U

000068
1971
TELLER, P.; AWKERMAN, G.
DISCUSSION GUIDELINES FOR OCEAN SCIENCES CONCEPTUAL SCHEMES PROJECT
NC: 1971 NAT MAR SCI IN EDUC CONF, BEAUFORT, NC; 15PP.
OCEAN FLOOR; WEATHER; TRANSPORTATION; GEOLOGY; BIOLOGY; SEDIMENT; ESTUARY
ARTICLE
T : H

000069
1976
CLAYTON, R.; FLICK, G.; FORD, J.
DISCOVER THE ATLANTIC OCEAN
VA: SG EXT DIV, VPI & SU, BLACKSBURG, VA; 38PP.
FISH; TURTLE; REPTILE; MUSSEL; MOLLUSK; OYSTER; SEA STAR; CLAM; SEAFOOD; SNAIL; HORSESHOE CRAB; RECREATION; LOBSTER; SCALLOP; WORM; SHRIMP; HARVESTING; BIOLOGY
COLORING BOOK
S : U I H

000070
1973
SCHWEITZER, J.
DIRECTORY OF MARINE SCIENCE EDUCATION
LA: CENT FOR WETLAND RESOURCES, LA STATE UNIV, BATON ROUGE, LA; 46PP.
TRAINING; DIRECTORY
REFERENCE
T : P U I H A

000071
1969
NEW ENGLAND MARINE RESOURCES INFORMATION PROGRAM
DIRECTORY OF ACADEMIC MARINE SCIENCES PROGRAMS IN NEW ENGLAND
RI: NEMRIP, UNIV OF RI, NARRAGANSETT, RI; 51PP.
TRAINING; DIRECTORY
REFERENCE
S : H A

000072
N.D.
DRABEK, C.
DIAGRAMS OF SEALIFE
MA: MATTAKEESE MIDDLE SCHOOL, W YARMOUTH, MA; 16PP.
ANEMONE; COELENTERATE; SEA STAR; ECHINODERM; MOLLUSK; SNAIL; LOBSTER; CRUSTACEAN; SEA URCHIN; PLANKTON; HORSESHOE CRAB; MUSSEL; SCALLOP; SHELL; WORM; SEAWEED; LIMPET; BIOLOGY
DIAGRAMS
T : U I H

000073
1969
BORDEN, C.
THE DEVELOPMENT OF A MODEL FOR BUILDING MARINE SCIENCE LEARNING ACTIVITIES FOR INDIVIDUALIZED INSTRUCTION OF ELEMENTARY STUDENTS, IN CONNECTION WITH A MARINE SCIENCE LABORATORY CURRICULUM
WA: GRAD SCHOOL OF SEATTLE PACIFIC COLL, SEATTLE, WA; 53PP.
INSTRUCTION; BIOLOGY
CURRICULUM
T : P

000074
1974
SCHWEITZER, J.
DETERMINING LATENT HEAT
LA: LSU MAR SCI TEACH AID, LA STATE UNIV, BATON ROUGE, LA; 6PP.
ENERGY; TEMPERATURE; CHEMISTRY
ARTICLE
T : H A

000075
N.D.
KEEFE, J.; KELLER, J.
THE LITTLE STREAM
MO: MO CONSERV COMM, JEFFERSON CITY, MO; 20PP.
STREAM; WEATHER; EROSION; POLLUTION
FICTION
T S : P

000076
1976
KNIGHT, H.
INTERNATIONAL FISHERIES MANAGEMENT
LA: LSU MAR SCI TEACH AID, CENT FOR WETLAND RESOURCES, LA STATE UNIV,
BATON ROUGE, LA; 4PP.
SEAFOOD; FISHERY; RESOURCE; MANAGEMENT; CONSERVATION; LAW; BIOLOGY
ARTICLE; ACTIVITY
T : H A

000077
1973
KNIGHT, H.
INTERNATIONAL LAW OF FISHERIES
LA: LSU MAR SCI TEACH AID, CENT FOR WETLAND RESOURCES, LA STATE UNIV,
BATON ROUGE, LA; 4PP.
SEAFOOD; FISHERY; LAW; RESOURCE; ECONOMICS; CONSERVATION; BIOLOGY
ARTICLE; ACTIVITY
T : H A

000078
1976
RICE, M.
LABORATORY GUIDE
HI: AMER INST FOR STUD, MAR BIOL SUMMER PROG, HI PREP ACAD; 21PP.
COELENTERATE; MOLLUSK; ECHINODERM; CRUSTACEAN; FISH; PLANKTON; ZONATION;
IDENTIFICATION; ADAPTATION; INTERTICAL AREA; SAFETY; FIELD TRIP
LAB EX; FIELD GUIDE
S : H

000079
1962
UNKNOWN
LABORATORY INSTRUCTIONS FOR BACTERIOLOGY
VA: VA INST OF MAR SCI, GLOUCESTER PT, VA; 6PP.
BACTERIA; IDENTIFICATION; BIOLOGY
LAB EX
S : H

000080
N.D.
PARMER, C.
LET'S GO BIRDWATCHING
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL, GAINESVILLE, FL; 5PP.
BIRD; IDENTIFICATION; BIOLOGY
FIELD GUIDE
T S : P L I H A

000081
1968
DUDLEY, S.
A DAY WITH DAN AT CAPE LOOKOUT SEASHORE
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS, BEAUFORT, NC; 34PP.
COASTLINE; RECREATION; SHELL
FICTION
T S : P

000082
N.D.
UNKNOWN
LISTING OF SELECTED PUBLICATIONS AND MATERIALS USEFUL IN MARINE SCIENCE EDUCATION PROGRAMS
UNKNOWN; 7PP.
BIBLIOGRAPHY
REFERENCE
T : P U I H

000083
1977
STEGNER, R.
A LIST OF BOOKS ON THE MARINE ENVIRONMENT FOR CHILDREN AND FOR YOUNG PEOPLE
DE: PROJ COAST, UNIV OF DE SG PROG, NEWARK, DE; 62PP.
BIBLIOGRAPHY; LIBRARY
REFERENCE
T : P U I H A

000084
1976
ASTRO, R.
LITERATURE AND THE SEA
OR: MAR SCI CENT, OR STATE UNIV, NEWPORT, OR; 59PP.
LITERATURE
CONFERENCE PROCEEDINGS
T : H A

000085
N.D.
ANDRESON, R.
LIFE ON THE TIDAL MUDFLATS: ELKHORN SLOUGH
CA: MONTEREY COUN OFFICE OF EDUC, SALINAS, CA; 28PP.
MUDFLAT; ESTUARY; ENVIRONMENT; TIDE; INTERTIDAL AREA; PLANT; ALGAE;
POLLUTION
FILMSTRIP GUIDE
T : U I

000086
N.D.
PARKER, C.
LET'S GO BEACHCOMBING
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 5PP.
BEACHCOMBING; INTERTIDAL AREA
ARTICLE
S : U I

000087
1965
BAILEY, R.; BIGGS, F.
LET'S BE OYSTER FARMERS
VA: VA INST OF MAR SCI, GLOUCESTER PT, VA; 59PP.
OYSTER; MOLLUSK; BIOLOGY; AQUACULTURE; HISTORY; LIFE CYCLE; REPRODUCTION;
ECONOMICS; LAW; MANAGEMENT; HARVESTING; POLLUTION; SEAFOOD
BOOKLET
T : H A

000088
N.D.
SHAFER, T.
A LESSON PLAN FOR A LAND USE SIMULATION GAME
UNKNOWN; 8PP.
SIMULATION GAME; WETLAND; MANAGEMENT
LESSON PLAN
T : I H A

000089
1976
STEGNER, R.
LANGUAGE ARTS ACTIVITIES TO SUPPLEMENT COAST LEARNING EXPERIENCES
DE: MAR ENVIRON CURR STUD, MAR ACV SERV, UNIV OF DE; 40PP.
LITERATURE; BIBLIOGRAPHY
UNIT
T : P U

000090
N.D.
BAILEY, R.
A LABORATORY STUDY OF THE OYSTER
VA: CHRISTCHURCH SCHOOL; 4PP.
OYSTER; MOLLUSK; BIOLOGY; ANATOMY
LAB EX
S : I H

000091
N.D.
MASSACHUSETTS MARINE EDUCATORS, NEW ENGLAND MARINE RESOURCES
INFORMATIONPROGRAM, NEW ENGLAND AQUARIUM, SUFFOLK UNIVERSITY
LAB AND FIELD ACTIVITIES AND IMPROVISED EQUIPMENT
UNKNOWN; 86PP.
ART; NAVIGATION; LATITUDE; LONGITUDE; TIDE; WIND; CURRENT; OCEAN FLOOR;
GEOLOGY; COASTLINE; WAVE; BEACH; DUNE; PLATE TECTONICS; TURBIDITY;
DENSITY; SALINITY; LIGHT; PHYSICS; EQUIPMENT
LAB EX
T : H A

000092
1976
JURGENSEN, K.
KNOW YOUR MUD, SAND, AND WATER, A PRACTICAL GUIDE TO COASTAL DEVELOPMENT
NC: UNIV OF NC SG COLL PROG, RALEIGH, NC; 32PP.
COASTLINE; SAND MOVEMENT; EROSION; DUNE; MARITIME FOREST; WETLAND
ARTICLE
T : I H

000093
1976
WALKER, J., PUB
JOURNAL OF MARINE EDUCATION - FALL, 1976
CA: AEGIR CORP, NEWPORT BCH, CA; 49PP.
OCEANARIUM; INSTRUCTION; WHALE; MAMMAL; ADAPTATION; BEHAVIOR; LITERATURE;
DIVING; PERIODICALS; BIOLOGY; REVIEW
REFERENCE; ARTICLE
T : P L I H

000094
1976
WALKER, J., PUB
JOURNAL OF MARINE EDUCATION - SUMMER, 1976
CA: AEGIR CORP, NEWPORT BCH, CA; 47PP.
AQUARIUM; BEACH; SEAFOOD; ENERGY; BIBLIOGRAPHY; FOOD WEB; PLANKTON;
HABITAT; LITERATURE; BIOLOGY
REFERENCE; CURRICULUM
T : P U I H

000095
N.D.
KRAKAUER, J.
DAVY JONES' LOCKER
VA: ROANCKE CITY PUB SCHOOLS, ELEM EDUC CENT, ROANOKE, VA; 16PP.
IDENTIFICATION; ART; LOCOMOTION; MUSIC; SHELL; BIOLOGY
LESSON PLAN
T : P

000096
1962
JAMES, G.
CURRICULUM GUIDE - NAVIGATION FOR FISHERMEN
NC: VOCAT MAT LAB, DIV OF VOCAT EDUC, STATE DEPT OF PUB INSTRUC, RALEIGH,
NC; 53PP.
NAVIGATION; SAFETY; WEATHER; LAW
CURRICULUM
T : H A

000097
1969
YEATER, L.
THE FIELD EXPERIENCE: A WHY - A HOW
NC: REG MAR SCI PROJ, CARTERET COUN SCHOOLS, BEAUFORT, NC; 22PP.
FIELD TRIP; SAFETY; EQUIPMENT; COLLECTING; BIOLOGY
ARTICLE
T : U I H

000098
N.D.
CREWS, A.; WOODALL, N.; AWKERMAN, G.; TELLER, P.
FIELD GUIDES - NATURAL HISTORY IN THE CLASSROOM
SC: CHARLESTON COUN OCEAN SCI PROJ; 23PP.
IDENTIFICATION; BIBLIOGRAPHY; BIOLOGY
REFERENCE
T : P U I H A

000099
N.D.
CROWLEY, J.
FIELD TRIP GUIDE
UNKNOWN; 30PP.
FIELD TRIP; AQUARIUM; MUSEUM; DIVING; BIOLOGY
FIELD GUIDE
T : P U I H A

000100
1977
CALDER, D.; PRIDGEN, M.
GUIDE TO COMMON JELLYFISHES OF SOUTH CAROLINA
SC: SC SG MAR ADV BULL 11, SC MAR RESOURCES CENT, CHARLESTON, SC; 14PP.
COELENTERATE; LIFE CYCLE; IDENTIFICATION; BIOLOGY
ARTICLE
T S : I H

000101
1975
DOLAK, K.
AQUARIUM INTERPRETERS' HANDBOOK
MA: NEW ENGLAND AQUARIUM; 16PP.
AQUARIUM; FIELD TRIP
FIELD GUIDE, DEMO
T : P U I H A

000102
1976
DEWEES, C.; HOOPER, J.
INTERTIDAL ZONATION
CA: SG MAR ADV PUB 2551, UNIV OF CA; 8PP.
INTERTIDAL AREA; IDENTIFICATION; BIOLOGY
FIELD GUIDE
T S : I H

000103
1977
PFUND, R.
MAKAHIKI KAI - FESTIVAL OF THE SEA '77
HI: SG COLL PROG, UNIV OF HI, HONOLULU, HI; 57PP.
ENVIRONMENT; REEF; COASTLINE; BIOLOGY; CORAL; SEA URCHIN; ECHINODERM;
SHELL; FISH; COELENTERATE; ALGAE; SEAFOOD; CRUSTACEAN; SEA CUCUMBER;
ECHINODERM; PLANT; WAVE; TIDE; PHYSICS; TSUNAMI; BENTHOS; NEKTON;
PLANKTON; FOOD WEB; ADAPTATION; SHARK; SYMBIOSIS; PROTECTION;
REGENERATION;REPRODUCTION; CURRENT; RESOURCE; PLATE TECTONICS; GEOLOGY;
OCEAN FLOOR; FISHERY; RECREATION; SUBMERSIBLE; LIGHT; TEMPERATURE;
PRESSURE; SEDIMENT
BOOKLET; LAB EX
T : U I H

C00104
1977
PFUND, R.
MAKAHIKI KAI - FESTIVAL OF THE SEA '77 - STUDENT WORKBOOK
HI: SG COLL PROG; UNIV OF HI, HONOLULU, HI; 32PP.
TIDE POOL; TIDE; WAVE; TSUNAMI; CONSERVATION; COASTLINE; REEF; BIOLOGY;
PLANKTON; ADAPTATION; SHARK; SYMBIOSIS; PROTECTION; HARVESTING;
OCEAN FLOOR; GEOLOGY; PLATE TECTONICS; FOOD WEB; ALGAE; ART
WORKBOOK
S : U I H

000105
1976
UNKNOWN
MAKAHIKI KAI '76 - STUDENT WORKBOOK
HI: SG COLL PROG, UNIV OF HI, HONOLULU, HI; 32PP.
FISH; FISHERY; RESOURCE; ALGAE; SEAFOOD; RECIPE; GEOLOGY; SAFETY;
RECREATION; SHARK; LITERATURE; FILM LIST; WAVE; EROSION; SAND;
AQUACULTURE; ART; SUBMERSIBLE
WORKBOOK
S : U I H

000106
1977
SCHUMAN, S.
MAKE YOUR OWN FISH TROPHY
NY: NY SG, CORNELL UNIV, ITHACA, NY; 18PP.
FISH; ART; PHOTOGRAPHY
ARTS & CRAFTS; ACTIVITY
T S : L I H A

C00107
197C
BATTEN, R.W.
MAN AND THE SEA
VA: MATH AND SCI CENT, GLEN ALLEN, VA; 87PP.
HISTORY; EQUIPMENT; ART; DIVING; GEOLOGY; OCEAN FLOOR; RESOURCE; DENSITY;
PHYSICS; SALINITY; WAVE; TIDE; CURRENT; BIOLOGY; BIBLIOGRAPHY; FILM LIST
CURRICULUM
T : I H

000108
1976
PHILP, R.
MARINE AQUARIUM LABORATORY MANUAL
IL: JEWEL INDUSTRIES INC, CHICAGO, IL; 52PP.
SALTWATER AQUARIUM; EQUIPMENT; CHEMISTRY; PHYSICS; PH; SALINITY; DENSITY; OXYGEN; PHOTOGRAPHY; ANEMONE; COELENTERATE; WORM; CRUSTACEAN ; SHRIMP; BARNACLE; SHELL; HERMIT CRAB; MOLLUSK; MUSSEL; ANATOMY; SNAIL; OCTOPUS; ECHINODERM; SEA URCHIN; SEA STAR; FISH; BIBLIOGRAPHY
LAB EX
T S : H A

000109
1974
KING, J.; SPOTTE, S.
MARINE AQUARIUMS IN THE RESEARCH LABORATORY
OH: AQUARIUM SYSTEMS INC, EASTLAKE, OH; 39PP.
SALTWATER AQUARIUM; CHEMISTRY; PH; BACTERIA; BIOLOGY; DISEASE; OXYGEN; BIBLIOGRAPHY
BOOKLET
T : P U I H A

000110
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
MARINE BIOLOGICAL FIELD TECHNIQUES
SC: CHARLESTON COUN OCEAN SCI PROJ; 22PP.
BIOLOGY; EQUIPMENT; COLLECTING; INTERTIDAL AREA
FIELD GUIDE
T : I H

000111
1975
UNKNOWN
MARINE CAREERS
OR: OR STATE UNIV MAR SCI CENT, NEWPORT, OR; 35PP.
CAREER; TRAINING; ENGINEERING; TRANSPORTATION; NAVIGATION; HARVESTING; FISHERY; INSTRUCTION; RESOURCE; MANAGEMENT; SEAFOOD
CONFERENCE PROCEEDINGS
T : H A

000112
1976
STOUT, P.; CALLAGHAN, S.
MARINE CAREER SERIES: MARINE RELATED OCCUPATIONS - A PRIMER FOR HIGH SCHOOL STUDENTS
RI: MAR ADV SERV, UNIV OF RI; 17PP.
CAREER; DIRECTORY; BIOLOGY; CHEMISTRY; PHYSICS; GEOLOGY
ARTICLE
S : H

000113
1975
UNKNOWN
MARINE CURRICULA AT THE UNIVERSITY OF RHODE ISLAND
RI: UNIV OF RI MAR ADV SERV; 20PP.
ENGINEERING; INSTRUCTION; RESOURCE; FISHERY
REFERENCE
S : A

000114
1975
DEWEES, C.; HOOPER, J.
MARINE EDUCATION BIBLIOGRAPHY
CA: SG MAR ADV PUB LEAFLET 2784, UNIV OF CA; 16PP.
ALGAE; BIBLIOGRAPHY; ENVIRONMENT; BIOLOGY; BIRD; FISH; FISHERY;
INTERTIDAL AREA; SHELL; MAMMAL; GEOLOGY; DIVING; AQUARIUM; PHYSICS;
CHEMISTRY
REFERENCE
T S : I H A

000115
1976
SIEGEL, L.
MARINE EDUCATION SURVEY 1975-76 SCHOOL YEAR
NY: NY STATE MAR EDUC ASSOC, NEW YORK, NY; 17PP.
INSTRUCTION; BIOLOGY; CHEMISTRY; PHYSICS; GEOLOGY
REFERENCE
T : P U I H A

000116
N.D.
DAVIS, F.
MARINE LIFE AND THE SEA - A RESOURCE UNIT FOR ELEMENTARY AND JUNIOR HIGH
SCHOOLS
VA: PORTSMOUTH PUB SCHOOLS, PORTSMOUTH, VA; 36PP.
BIOLOGY; HISTORY; CHEMISTRY; BEACH; INTERTIDAL AREA; SEAFOOD; SHELL;
SEAFOOD; OYSTER; CLAM; MUSSEL; CRAB; MOLLUSK; CRUSTACEAN; FISH; PRESSURE;
PHYSICS; TEMPERATURE; GEOLOGY; OCEAN FLOOR; AQUACULTURE; RESOURCE; TIDE;
WAVE; WEATHER
UNIT
T : U I

000117
1970
GRINSTEAD, F.
A MARINE LIFE STUDY CENTER FOR ELEMENTARY SCHOOLS
VA: BETTER SCHOOLS, NORFOLK PUB SCHOOLS, NORFOLK, VA; 5PP.
INSTRUCTION; AQUARIUM; LABORATORY
ARTICLE
T : P U

COC118
1975
DEWEES, C.; HOOPER, J.
MARINE MAMMALS
CA: SG MAR ADV PUB LEAFLET 2274, UNIV OF CA; 7PP.
MAMMAL; WHALE; DOLPHIN; PORPOISE; SEAL; SEA LION; WALRUS; OTTER;BIOLOGY ; LAW
BOOKLET
T S : U I H

COC119
1976
MACKIN, E.; ANDERSON, R.
MARINE MANPOWER: AN INITIAL ASSESSMENT
DC: MTS JOURNAL; 12PP.
CAREER
ARTICLE
T S : H A

COC120
1976
DEWEES, C.; HOOPER, J.
MARINE PHOTOGRAPHY
CA: SG MAR ADV PUB LEAFLET 2552, UNIV OF CA; 2PP.
PHOTOGRAPHY; HABITAT
ARTICLE
T S : U I H A

000121
1969
BANE, G.; GILES, D.; LAWSON, A.
MARINE PLANKTON PRIMER
CA: MARTEK INSTRUMENTS INC., NEWPORT BCH, CA; 10PP.
PLANKTON; IDENTIFICATION; EQUIPMENT
REFERENCE
T : I H A

000122
N.D.
SCHLENKER, R.
MARINE SCIENCE EDUCATION MATERIALS AND THEIR USEFULNESS
ME: UNIV OF ME AT ORONO, ORONO, ME; 51PP.
BIBLIOGRAPHY; PERIODICALS
REFERENCE
T : P U I H A

000123
1968
ROSE, D.; ZANEVELD, J.
MARINE SCIENCE FIELD TRIPS
VA: OLD DOMINION COLLEGE, NORFOLK, VA; 45PP.
GEOLOGY; COASTLINE; ZONATION; TIDE; COLLECTING; BIOLOGY; SEAWEED; PLANT;
AQUARIUM; IDENTIFICATION; BIBLIOGRAPHY; FIELD TRIP
FIELD GUIDE; ACTIVITY
T : I H A

000124
N.D.
CHAPMAN, F.
MARINE SCIENCE FILM CATALOGUE
NC: CARTERET COUN AUDIO-VISUAL AID CENT, BEAUFORT, NC; 34PP.
FILM LIST; FILMSTRIP LIST; PHOTOGRAPHY
REFERENCE
T : P U I H

000125
1977
ORANGE COUNTY OCEAN EDUCATORS
MARINE SCIENCE PROGRAMS
CA: ORANGE COUN DEPT OF EDUC, SANTA ANA, CA; 23PP.
COLLECTING; BIOLOGY; CHEMISTRY; PHYSICS; GEOLOGY; NAVIGATION; DIVING;
FIELD TRIP
FIELD GUIDE
T : P L I H A

000126
1967
LINSKY, R.; SCHNITGER, R.
MARINE SCIENCES STUDENT SYLLABUS
CA: ORANGE COUN MAR SCI FLOATING LAB; 86PP.
BIOLOGY; PHYSICS; SALINITY; DENSITY; PRESSURE; OXYGEN; TEMPERATURE;
OCEAN FLOOR; GEOLOGY; CORIOLIS EFFECT; TIDE; PH; CURRENT;
PLANKTON ; NEKTON; BENTHOS; COLLECTING; EQUIPMENT; LIGHT; IDENTIFICATION;
NAVIGATION; BIRD; SHARK; FISH; MAMMAL; WIND; VOCABULARY
FIELD GUIDE
T S : L I H A

000127
1974
MITCHELL, L.; GOODMAN, J.
MARINE TECHNICIAN TRAINING AND EMPLOYMENT - A CURRENT OVERVIEW AND
ASSESSMENT
DE: COLL OF MAR STUD, UNIV OF DE, NEWARK, DE; 158PP.
CAREER; TRAINING; INSTRUCTION; EMPLOYMENT
REFERENCE
S : H A

000128
1971
GILLIE, A.; PRATT, A.
MARINE TECHNOLOGY PROGRAMS: WHERE WE ARE AND WHERE WE'RE GOING
DC: AMER ASSOC OF JR COLL, WASHINGTON, DC; 55PP.
CAREER; TRAINING; INSTRUCTION; EMPLOYMENT
REFERENCE
S : H A

000129
1974
WISNER, T.
MARSHES
MD: AQUAPEAKE PROJ; 6PP.
WETLAND; MUSIC
FIELD GUIDE
T S : P L

000130
1972
SCHWEITZER, J.
MEASUREMENTS OF CURRENTS
LA: LSU MAR SCI TEACH AID, CENT FOR WETLAND RESOURCES, LSU, BATON ROUGE, LA; 4PP.
CURRENT; EQUIPMENT; PHYSICS; MATH
ARTICLE; FIELD GUIDE
T : I H A

000131
1974
SCHWEITZER, J.
MEIOBENTHONIC FAUNA
LA: LSU MAR SCI TEACH AID, CENT FOR WETLAND RESOURCES, LSU, BATON ROUGE, LA; 8PP.
BIOLOGY; BENTHOS; HABITAT; COLLECTING; EQUIPMENT; IDENTIFICATION
ARTICLE; DEMO; LAB EX
T : I H A

000132
1974
MORISAWA, M.; KING, C.
MONITORING THE SEASHORE
NY: SG ADV SERV, FERNOW HALL, ITHACA, NY; 14PP.
EROSION; BEACH; COASTLINE; SAND; PROFILE; EQUIPMENT; TIDE; WAVE; GEOLOGY
FIELD GUIDE
T S : I H A

000133
1976
FLORIDA 4-H PROGRAM
NATIONAL 4-H MARINE EDUCATION PROGRAM SURVEY
FL: FL 4-H PROG, FL COOP EXT SERV, UNIV OF FL, GAINESVILLE, FL; 17PP.
SURVEY; LITERATURE
REFERENCE
T : U I H

000134
N.D.
FALKO, B.
THE NATURAL BALANCED AQUARIUM
FL: SOUTHEAST FISH CENT, NAT MAR FISH SERV, MIAMI, FL; 9PP.
SALTWATER AQUARIUM; PH; CHEMISTRY; EQUIPMENT; ALGAE; FISH; TEMPERATURE
GUIDE
T S : P L I H A

000135
N.D.
WILLIAMS, H.
A NATURAL HISTORY GUIDE TO THE VICINITY OF THE MARINE STUDIES INSTITUTE AT
DANA POINT
CA: ORANGE COUN DEPT OF EDUC, MAR SCI OFF, SAN JUAN CAPISTRANO, CA; 9PP.
GEOLOGY; RESOURCE; BIOLOGY; COELENTERATE; MOLLUSK; CRUSTACEAN; ECHINODERM;
FISH; BIRD; ALGAE; PLANT;
FIELD GUIDE
T S : I H

000136
1972
SHAFER, T.
NEW ENGLAND AND THE SEA - A GUIDE FOR TEACHERS AND STUDENTS
RI: UNIV OF RI, MAR BULL SER NO 11, KINGSTON, RI; 58PP.
COASTLINE; GEOLOGY; TIDE POOL; INTERTIDAL AREA; BEACH; DUNE; WETLAND;
FOOD WEB; FISHERY; NAVIGATION; ART; POLLUTION; CAREER; FILM LIST;
BIBLIOGRAPHY; BIOLOGY; PHYSICS; FRESH WATER; PROFILE; SOUND; SHIPBUILDING;
MUSIC; RECREATION; RESOURCE; SIMULATION GAME
REFERENCE; ACTIVITY; FIELD GUIDE
T S : L I H

000137
1972
VALIEANT, J.; SOUTHLAND, J.
NITRATE WATER ACTIVITIES
DC: US GOVT PRINT OFF, WASHINGTON, DC; 12PP.
CHEMISTRY; FILTRATION; POLLUTION; HYDROLOGIC CYCLE
LAB EX, LESSON PLAN
T : H

000138
N.C.
UNKNOWN
NORTH CAROLINA MARINE RESOURCES CENTERS COLORING BOOK
NC: NC MAR RESOURCES CENT, ROANOKE IS, BOGUE BANKS, FORT FISHER, NC; 15PP.
CRAB; CRUSTACEAN; BIOLOGY; SNAIL; MOLLUSK; FISH; SHRIMP; BIRD;
HORSESHOE CRAB; HERMIT CRAB; STARFISH; ECHINODERM; AMPHIBIAN; REPTILE
COLORING BOOK
S : P U

000139
1975
OBIS
OBIS OIL SPILL
CA: OUTDOOR BIOL INSTRUC STRATEGIES, UNIV OF CA, BERKELEY, CA; 5PP.
POLLUTION; OIL; PHYSICS; PLANT; BIOLOGY; RECREATION; IMPACT STUDY
GUIDE
T : U I H

000140
1970
GILES, D.
OCEAN CURRENTS
OR: OSU MAR SCI CENT, NEWPORT, OR; 1P.
CURRENT; PHYSICS; WIND; SALINITY; TEMPERATURE
DEMO
T : I H

000141
N.C.
PARMER, C.
OCEAN-GOING PLANTS - SEAWEEDS
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 4PP.
SEAWEED; BIOLOGY; AQUACULTURE; ZONATION; IDENTIFICATION
ARTICLE
S : U I

000142
1975
WATERS, B.
OCEAN IN YOUR CLASSROOM
MA: MA COOP EXT SERV, CAPE COD EXT SERV, BARNSTABLE, MA; 136PP.
SALTWATER AQUARIUM; CHEMISTRY; BIOLOGY; IDENTIFICATION; LIFE CYCLE;
VOCABULARY; MATH; ART; EQUIPMENT; SEAWEED; SPONGE; COELENTERATE; MOLLUSK;
WORM; CRUSTACEAN; ECHINODERM; FISH; LOCOMOTION; HERMIT CRAB; ANEMONE;
STARFISH; CLAM; SCALLOP; SNAIL; SQUID; SHRIMP; BEHAVIOR; BEACHCOMBING;
INTERTIDAL AREA; SHELL; ART; BIBLIOGRAPHY; FILM LIST
UNIT; REFERENCE
T : P U I

000143
1976
UNKNOWN
OCEANOGRAPHERS
DC: US DEPT OF LABOR, BUR OF STATISTICS, BULL 1875-76; 3PP.
CAREER; EMPLOYMENT; TRAINING; INSTRUCTION
ARTICLE
S : I H

000144
1968
TABER, R.; LAPORTE, L.; SMITH, E.
AN OCEANOGRAPHIC CURRICULUM FOR HIGH SCHOOLS
DC: US NAVAL OCEAN OFF, WASHINGTON, DC; 30PP.
CAREER; BIOLOGY; CHEMISTRY; GEOLOGY; PHYSICS; WAVE; TIDE; CURRENT;
NUTRITION; METEOROLOGY; ICE; ESTUARY; TRANSPORTATION; POLLUTION;
RECREATION; ENGINEERING; OIL; LAW; OCEAN FLOOR; LIMNOLOGY; SOUND;
BIBLIOGRAPHY
CURRICULUM
T : H

000145
N.D.
NELSON, J.
OCEANOGRAPHIC EXPERIMENTS FOR THE ELEMENTARY TEACHER
CA: ORANGE COUN DEPT OF EDUC MAR SCI PROG, DANA PT, CA; 8PP.
PRESSURE; PHYSICS; TEMPERATURE; FRESH WATER; REFRACTION; RESOURCE; ICE;
WEATHER; WAVE
LAB EX
T : P U

000146
1969
FORBES, L.; THOMSON, G.; TURGEON, D.
AN OCEANOGRAPHIC FIELD COURSE FOR THE EIGHTH GRADE
MA: OCEAN EDUC CENT, BOX 585, FALMOUTH, MA; 60PP.
IDENTIFICATION; BIOLOGY; COLLECTING; EQUIPMENT; PLANKTON; FISH;
BIBLIOGRAPHY; BENTHOS; SALINITY; CHEMISTRY; DENSITY; PHYSICS; TEMPERATURE;
PROFILE; ESTUARY; CURRENT
UNIT
T : I

000147
N.D.
UNKNOWN
OCEANOGRAPHY
VA: ELEM EDUC CENT, ROANOKE CITY PUB SCHOOLS, ROANOKE, VA; 35PP.
PHYSICS; CHEMISTRY; CIRCULATION; BIOLOGY; FOOD WEB; BIBLIOGRAPHY;
FILM LIST; SALINITY; TEMPERATURE; DENSITY; WAVE; TIDE; CURRENT;
OCEAN FLOOR; GEOLOGY; PLATE TECTONICS; SPONGE; COELENTERATE; MOLLUSK;
CRUSTACEAN; ECHINODERM; SHARK; REPTILE; BIRD; MAMMAL; PLANKTON; SEAWEED;
FISH; CORAL; ESTUARY; WETLAND; RESOURCE; OIL; POLLUTION; BIOLOGY; EROSION
UNIT
T : P U

000148
1965
UNKNOWN
OCEANOGRAPHY
NJ: BOY SCOUTS OF AMER, N BRUNSWICK, NJ; 44PP.
BIOLOGY; CHEMISTRY; PHYSICS; GEOLOGY; METEOROLOGY; HISTORY; CURRENT; WIND;
WAVE; TSUNAMI; OCEAN FLOOR; PLANKTON; NEKTON; BENTHOS; CORAL; REEF; BEACH;
BIBLIOGRAPHY; VOCABULARY
GUIDE
S : I H

000149
1969
SLATER, R. AND OTHERS
OCEANOGRAPHY - A COURSE OF STUDY IN MARINE SCIENCE
TX: HOUSTON INDEPENDENT SCHOOL DISTRICT, HOUSTON, TX; 138PP.
GEOLOGY; CHEMISTRY; PHYSICS; METEOROLOGY; BIOLOGY; CAREER; BIBLIOGRAPHY;
FILM LIST; FILMSTRIP LIST; COMMUNITY; ENVIRONMENT; HISTORY; PERIODICAL;
MATH; OXYGEN; SALINITY; FIELD TRIP; COLLECTING; PLANKTON; NEKTON;
BENTHOS; DENSITY; TEMPERATURE; TIDE; POLLUTION
CURRICULUM
T : H

000150
1975
OXENHORN, J.; GOLDFELD, B.
OCEANOGRAPHY AND OUR FUTURE
NY: GLOBE BOOK CO, INC, 175 FIFTH AVE, NEW YORK, NY; 184PP.
CHEMISTRY; GEOLOGY; PHYSICS; BIOLOGY; HYDROLOGIC CYCLE; EQUIPMENT; LIGHT;
DIVING; SUBMERSIBLE; OCEAN FLOOR; CURRENT; SEDIMENT; COASTLINE; SAND;
CORAL; EROSION; ICE; WIND; HISTORY; WAVE; TIDE; SALINITY; DENSITY;
PHOTOSYNTHESIS; TEMPERATURE; RESOURCE; HABITAT; ZONATION;
INTERTIDAL AREA; DUNE; BEACH; WETLAND; PLANKTON; FOOD WEB; NUTRITION;
SEAWEED; SPONGE; COELENTERATE; ANEMONE; WORM; SEA STAR; SEA URCHIN;
CRUSTACEAN; LOBSTER; HERMIT CRAB; BARNACLE; FOSSIL; HORSESHOE CRAB;
MOLLUSK; CLAM; OYSTER; OCTOPUS; SQUID; ADAPTATION; FISH; SHARK;
LIFE CYCLE; AMPHIBIAN; REPTILE; MAMMAL; WHALE; DOLPHIN; PORPOISE; MUDFLAT;
PLANT; POLLUTION; AQUACULTURE; FISHERY; VOCABULARY
TEXTBOOK
S : I H

000151
1975
OXENHORN, J.; GOLDFELD, B.
OCEANOGRAPHY AND OUR FUTURE - TEACHING GUIDE
NY: GLOBE BOOK CO, INC, 175 FIFTH AVE, NEW YORK, NY; 16PP.
BIBLIOGRAPHY
TEACHING GUIDE
T : I H

000152
1972
MCNAHAN, E.; KAYE, G.
OCEANOGRAPHY FIELD PRACTICUM
MI: UNIV OF MI SG PROG, REPORT NO 33, UNIV OF MI; 227PP.
WETLAND; RESPIRATION; BENTHOS; COMMUNITY; EQUIPMENT; MANAGEMENT; WIND;
CIRCULATION; PLANKTON; AQUACULTURE; NUTRITION; POLLUTION; BIOLOGY;
CHEMISTRY; PHYSICS; CURRENT; TEMPERATURE; SALINITY; OXYGEN;
SEDIMENT ; GEOLOGY; BIBLIOGRAPHY; FOOD WEB; OYSTER; MOLLUSK;
LONGSHORE CURRENT; SAND; PROFILE; FISH
REFERENCE
T S : A

000153
1966
STAFF
OCEANOGRAPHY INFORMATION SOURCES
DC: NAT ACAD OF SCI, NAT RESEARCH COUNCIL, WASHINGTON, DC; 38PP.
PERIODICALS; FILM LIST; LABORATORY; DIRECTORY; INDUSTRY
REFERENCE
T S : I H A

000154
1970
VETTER, R.
OCEANOGRAPHY INFORMATION SOURCES '70
DC: NAT ACAD OF SCI, WASHINGTON, DC; 51PP.
INDUSTRY; DIRECTORY; LABORATORY; BIBLIOGRAPHY; CAREER; PERIODICALS
REFERENCE
T S : I H A

000155
1968
FORBES, L.
OCEANOGRAPHY IN PRINT: A SELECTED LIST OF EDUCATIONAL RESOURCES
MA: FALMOUTH PUB SCHOOLS, FALMOUTH, MA; 58PP.
BIBLIOGRAPHY; PERIODICALS; FILM LIST; FILMSTRIP LIST; PHYSICS; GEOLOGY;
CHEMISTRY; BIOLOGY; METEOROLOGY
REFERENCE
T S : P U I H A

000156
1973
UNKNOWN
THE OCEANS AND YOU
DC: MAR TECH SOCIETY, 1730 M ST, NW, WASHINGTON, DC; 77PP.
CAREER; EMPLOYMENT; BIBLIOGRAPHY; DIRECTORY
REFERENCE
T S : P U I H A

000157
N.D.
UNKNOWN
THE OCEANS AND YOU (READING LIST)
DC: MAR TECH SOCIETY, 1730 M ST, NW, WASHINGTON, DC; 13PP.
BIBLIOGRAPHY
REFERENCE
T S : P U I H A

000158
1974
BACHERT, R.; SNOCKS, E.
OUTDOOR EDUCATION EQUIPMENT
IL: INTERSTATE PRINTERS AND PUBLISHERS, INC, DANVILLE, IL; 201PP.
EQUIPMENT; MATH; WEATHER
GUIDE
T S : P U I H A

000159
1974
WISNER, T.
OYSTER COMMUNITY
MD: AQUAPEAKE PROJ, UNIV OF MD NATURAL RESOURCES INST; 6PP.
OYSTER; COLLECTING; MOLLUSK; IDENTIFICATION; BIOLOGY; ART; MUSIC
FIELD GUIDE
S : P U

000160
N.D.
COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MASSACHUSETTS AND OTHERS
PARKER RIVER ENVIRONMENTAL PROJECT, VOLUME 2
MA: PARKER RIVER NAT WILDLIFE REFUGE, NEWBURYPORT, MA; 53PP.
SAND; WETLAND; BEACH; INTERTIDAL AREA; TIDE POOL; PLANT; EROSION; TIDE; GEOLOGY; EQUIPMENT; FIELD TRIP; CHEMISTRY; BIOLOGY; PHYSICS; SEAWEED; ALGAE; COELENTERATE; ECHINODERM; MOLLUSK; CRUSTACEAN; COLLECTING; TIDE
FIELD GUIDE
T : I H

000161
1976
SCHLENKER, R.
A PARTIAL BIBLIOGRAPHY FOR PRECOLLEGE MARINE SCIENCE EDUCATORS
ME: UNIV OF ME SG, ORONO, ME; 94PP.
BIBLIOGRAPHY; CAREER; AQUARIUM; FILM LIST; EQUIPMENT; FIELD TRIP; LABORATORY; IDENTIFICATION; BIRD; CRAB; FISH; BARNACLE; PLANKTON; BIOLOGY; CRUSTACEAN; ANEMONE; COELENTERATE; SEA CUCUMBER; ECHINODERM; SEA URCHIN; SEA STAR; SAND DOLLAR; SEAL; OTTER; MAMMAL; SEAFOOD; CHEMISTRY; CURRENT; PHYSICS; SAND; GEOLOGY; TIDE; WAVE; WEATHER
REFERENCE
T : U I H A

000162
1977
OLSEN, S.
PHOTOGRAPHING AQUATIC ORGANISMS
AMER BIOL TEACHER; 39(5): 299-304
PHOTOGRAPHY; AQUARIUM; BIBLIOGRAPHY
ARTICLE
T S : I H

88

000163
1976
DEWEES, C.; HOOPER, J.
PHYSICAL OCEANOGRAPHY
CA: SG MAR ADV PUB LEAFLET 2233, UNIV OF CA; 9PP.
PHYSICS; OCEAN FLOOR; GEOLOGY; TIDE; WAVE; TSUNAMI; LONGSHORE CURRENT; SALINITY; RESOURCE; TEMPERATURE; BIBLIOGRAPHY
BOOKLET
T S : I H

000164
1974
POPULATION-ENVIRONMENT CURRICULUM STUDY
THE PHYSICAL PROPERTIES OF WATER
DE: POPULATION-ENVIRON CURR STUD, UNIV OF DE, NEWARK, DE; 17PP.
BIOLOGY; CHEMISTRY; PHYSICS; TEMPERATURE; LITERATURE; BIBLIOGRAPHY
UNIT
T : H A

000165
1973
CURL, H.
PHYTOPLANKTON - GRASS OF THE SEA
OR: OR STATE UNIV EXT SERV, MAR ADV PROG, CORVALLIS, OR; 4PP.
PLANKTON; BIOLOGY; UPWELLING; COLLECTING; FOOD WEB; BIBLIOGRAPHY
ARTICLE
T S : I H

000166
N.D.
PARMER, C.
PHYTOPLANKTON - THE OCEAN'S WANDERING PLANTS
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL, GAINESVILLE; 4PP.
PLANKTON; BIOLOGY; ANATOMY; IDENTIFICATION
WORKSHEET
S : U I

000167
N.D.
MERRINER, J.; DOYLE, R.
PICTORIAL GUIDE TO SOME COMMON MARINE AND ESTUARINE FISHES OF COMMERCIAL AND SPORT IMPORTANCE
VA: VA INST OF MAR SCI, GLOUCESTER PT, VA; 25PP.
POLLUTION; BIOLOGY; FISH; IDENTIFICATION
REFERENCE
T S : I H A

000168
1968
KEILY, D.
PILOT SEMINAR IN CAREERS IN OCEANOGRAPHY
MA: NEW ENGLAND AQUAR AND BOSTON SEA RCVERS, CAMBRIDGE, MA; 41PP.
CAREER; BIBLIOGRAPHY
CONFERENCE PROCEEDINGS
T S : H

000169
1974
WISNER, T.
PLANKTON
MD: AQUAPEAKE PROJ, UNIV OF MD; 5PP.
PLANKTON; BIOLOGY; COLLECTING
ARTICLE
T S : P U I

000170
N.D.
PARKER, C.
PLANKTON - THE BASIS OF LIFE
FL: MAR SCI 4-H SPEC INTEREST SER; 4PP.
PLANKTON; BIOLOGY; FOOD WEB
WORKSHEET
S : U I

000171
N.C.
CHAPMAN, F.
PORT: GATEWAY TO THE WORLD OCEAN
NC: REG MAR SCI PROJ, BEAUFORT, NC; 13PP.
FIELD TRIP; INDUSTRY; EQUIPMENT; VOCABULARY
FIELD GUIDE
S : U I

000172
N.D.
UNKNOWN
PORTUGUESE MAN-OF-WAR
MS: MAR ED CENT, BILOXI, MS; 1P.
COELENTERATE BIOLOGY
ARTICLE
T S : I H

000173
1977
SCHLENKER, R.
PRECOLLEGE MARINE SCIENCE EDUCATION 1973 THROUGH 1976
ME: COOP EXT SERV, UNIV OF ME MAR LAB, WALPOLE, ME; 36PP.
INSTRUCTION; BIBLIOGRAPHY; DIRECTORY
REFERENCE
T : P U I H

000174
N.D.
BAUMANN, C. AND OTHERS
PRE-COLLEGE OCEANOGRAPHY PROGRAM
VA: WALLOPS IS MAR SCI CENT; 76PP.
HISTORY; BIOLOGY; INTERTIDAL AREA; WETLAND; GEOLOGY; BEACH; PROFILE; SAND;
WAVE; TIDE; PHYSICS; SEA LEVEL; ENVIRONMENT; ZONATION; IDENTIFICATION;
FIELD TRIP; LONGSHORE CURRENT; COASTLINE
FIELD GUIDE
T S : I H A

000175
1977
ANDERSON, B. AND OTHERS
PRE-COLLEGE OCEANOGRAPHY PROGRAM HANDBOOK
VA: WALLOPS IS MAR SCI CENT; 54PP.
GEOLOGY; BIOLOGY; INTERTIDAL AREA; SAND; DUNE; MARITIME FOREST; WETLAND;
FOOD WEB; PLANKTON; ANATOMY; FISH; OXYGEN; TEMPERATURE; SALINITY;
VOCABULARY; MATH; FIELD TRIP; BEACH; HISTORY; ENVIRONMENT;
SEA LEVEL; COASTLINE; PH; PROFILE; ZONATION; IDENTIFICATION; PLANT;
WAVE
FIELD GUIDE
T S : I H A

000176
1975
DEWEES, C.; HOOPER, J.
PRESSING ALGAE
CA: SG MAR ADV PUB LEAFLET 2556, UNIV OF CA; 2PP.
ALGAE; ART; VOCABULARY; BIBLIOGRAPHY
ACTIVITY
T S : L I H

000177
N.D.
UNKNOWN
PRESSING ALGAE
UNKNOWN
ALGAE; ART
ACTIVITY
S : U I H

000178
1974
POPULATION-ENVIRONMENT CURRICULUM STUDY
QUANTITATIVE ANALYSIS OF PHOSPHATE AND DISSOLVED OXYGEN IN WATER
DE: POPULATION-ENVIRON CURR STUD, COLL OF EDUC, UNIV OF DE, NEWARK; 22PP
CHEMISTRY; EQUIPMENT; OXYGEN; TEMPERATURE; BIBLIOGRAPHY
LAB EX
T : H

000179
1968
DUBACH, H.; TABER, R.
QUESTIONS ABOUT THE OCEANS
DC: US NAVAL OCEAN OFF, WASHINGTON, DC; 121PF.
DEPTH; SUBMERSIBLE; OCEAN FLOOR; GEOLOGY; WAVE; WIND; PHYSICS; SEDIMENT;
ICE; RED TIDE; PLANKTON; SALINITY; BIOLOGY; RESOURCE; DIVING; CURRENT;
METEOROLOGY; OYSTER; CLAM; MOLLUSK; FISHERY; SEAFOOD; POLLUTION; WEATHER;
FISH; WHALE; MAMMAL; TIDE; LIGHT; COMMUNICATION; SEAWEED; ALGAE;
TEMPERATURE; BIRD; TSUNAMI; NUTRITION; AQUACULTURE; CAREER; EMPLOYMENT;
ENERGY;LIMNOLOGY; NAVIGATION; PRESSURE; TURBIDITY; HYDROLOGIC CYCLE
REFERENCE
T S : U I H A

000180
1965
HAHN, J.
A READER'S GUIDE TO OCEANOGRAPHY
MA: WOODS HOLE OCEAN INST; 14PP.
BIBLIOGRAPHY
REFERENCE
T S : P L I H A

000181
1968
HAHN, J.
A READER'S GUIDE TO OCEANOGRAPHY
MA: WOODS HOLE OCEAN INST; 22PP.
BIBLIOGRAPHY; FILM LIST; FILMSTRIP LIST
REFERENCE
T S : P U I H A

000182
1968
NEAL, V.; KULM, S.
READING IN MARINE SCIENCE
OR: DEPT OF OCEAN, OR STATE UNIV, CORVALLIS, OR; 2-PP.
BIBLIOGRAPHY; HISTORY; BIOLOGY; CHEMISTRY; GEOLOGY; PHYSICS
REFERENCE
T S : A

000183
1968
HANSEN, C.; DECARRE, S.
READING LIST ON OCEANOGRAPHY AND RELATED SUBJECTS FOR STUDENTS AND ADULTS
DC: US NAVAL OCEAN OFF, WASHINGTON, DC; 11PP.
BIBLIOGRAPHY; BIOLOGY; GEOLOGY
REFERENCE
T S : U I H A

000184
1977
SCHLENKER, R.
RECENT ARTICLES, ACTIVITIES, AND OTHER DOCUMENTS IN THE MARINE EDUCATIONFIELD
ME: DEPT OF ARTS AND SCI, ME MARITIME ACAD, CASTINE, ME; 8PP.
BIBLIOGRAPHY
REFERENCE
T : P U I H A

000185
1966
GARSTANG, M.
RECOMMENDATIONS OF THE ACADEMIC PROGRAM AND SPECIALIZED FACILITIES FOR THE PROPOSED SEVEN COUNTY MARINE SCIENCE STATION
FL: FL STATE UNIV, TALLAHASSEE, FL; 43PP.
BIOLOGY; PHYSICS; METEOROLOGY; EQUIPMENT; COLLECTING; AQUARIUM
REFERENCE
T : P U I H A

000186
1976
DEMANCHE, E.
REEF AND SHORE TEACHER'S GUIDE
HI: CURR RESEARCH AND DEVELOPMENT GROUP, UNIV OF HI, HONOLULU, HI; 266PP
CONSERVATION; SHELL; FIELD TRIP; TIDE; AQUARIUM; ART; MUSIC; LITERATURE; SALTWATER AQUARIUM; EQUIPMENT; HERMIT CRAB; BIOLOGY; COASTLINE; ZONATION; BEHAVIOR; ANATOMY; IDENTIFICATION; TIDE POOL; TEMPERATURE; PLANT; SEAWEED; CRAB; SHRIMP; CRUSTACEAN; ISOPOD; BARNACLE; SEA STAR; SEA URCHIN; SEA CUCUMBER; ECHINODERM; SNAIL; MOLLUSK; OYSTER; CLAM; SCALLOP; ANEMONE; COELENTERATE; HABITAT; REPRODUCTION; SALINITY; LIGHT; CORAL; VOCABULARY; CHEMISTRY; REEF; SEAFOOD; RECIPE; BENTHOS; NEKTON; FOOD WEB; OCEAN FLOOR; GEOLOGY; PHYSICS
FIELD GUIDE; CURRICULUM; LAB EX
T : P U

000187
N.D.
HON, W.
THE REGIONAL MARINE SCIENCE PROJECT
NC: CARTERET COUN PUB SCHOOLS; 32PP.
ENVIRONMENT; FIELD TRIP; BIBLIOGRAPHY
REFERENCE
T : P U I H

000188
N.D.
PARMER, C.
THE RETURN OF THE GREEN TURTLE
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 4PP.
TURTLE; REPTILE; BIOLOGY; REPRODUCTION
WORKSHEET
S : U I

000189
1977
BOOTH, S.; OSIS, V.
ROCKY BEACH ANIMALS
OR: OR STATE UNIV, CORVALLIS, OR; 23PP.
ANEMONE; COELENTERATE; SEA STAR; ECHINODERM; CRAB; CRUSTACEAN; HERMIT CRAB;
BIOLOGY; MUSSEL; MOLLUSK; BARNACLE; SEAWEED; TIDE POOL; INTERTIDAL AREA;
FISH; OCTOPUS; SEAL; MAMMAL; BIRD; SNAIL; SEA CUCUMBER
COLORING BOOK
S : P U

000190
1976
MARTIN COUNTY SCHOOLS
RIVER INVESTIGATION
FL: MARTIN COUN SCHOOLS, ENVIRON STUD CENT, JENSEN BCH, FL; 68PP.
RIVER; FIELD TRIP; PHYSICS; TEMPERATURE; SALINITY; DEPTH; CURRENT; PROFILE;
GEOLOGY; TURBIDITY; VOCABULARY; ENVIRONMENT; PLANT; MANGROVE;
WETLAND; GRASSFLAT; PHOTOSYNTHESIS; POLLUTION; ENERGY; EQUIPMENT
UNIT
T S : U I

000191
1971
HON, W.
ROWBOAT OCEANOGRAPHY
OC: THE SCI TEACH; 38(1): 4PP.
FIELD TRIP; EQUIPMENT; HABITAT; WETLAND; PLANT; CURRENT; TURBIDITY;
SALINITY; CHEMISTRY; PHYSICS; POLLUTION; BIOLOGY; ENVIRONMENT
ARTICLE
T : I H

000192
1974
POPULATION-ENVIRONMENT CURRICULUM STUDY
SALINITY CHANGES IN A TIDAL RIVER
DE: POPULATION-ENVIRON CURR STUD, COLL OF EDUC, UNIV OF DE, NEWARK, DE;
35PP.
TIDE; SALINITY; TEMPERATURE; VOCABULARY; DENSITY
UNIT
T : H

000193
N.D.
UNKNOWN
THE SALT MARSH ECOSYSTEM
UNKNOWN
WETLAND; BIOLOGY; ZONATION; PLANT; FOOD WEB
FIELD GUIDE
T S : I H

000194
1970
CHAPMAN, F.
SALT MARSH, SOUND AND SEA BEACH
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS; 31PP.
WETLAND; BIOLOGY; HABITAT; VOCABULARY; CRUSTACEAN; MOLLUSK; FISH; REPTILE;
BIRD; PLANT; ZONATION; FOOD WEB; PLANKTON; WORM; CRAB; HERMIT CRAB;
ESTUARY; BARNACLE; ANEMONE; COELENTERATE; BEACH; DUNE; SAND; WAVE; GEOLOGY
UNIT
T S : I

000195
N.D.
STAFF
SALTWATER AQUARIA
VA: VA INST OF MAR SCI, GLOUCESTER PT, VA; 20PP.
SALTWATER AQUARIUM; SAND; SALINITY; TEMPERATURE; ALGAE; COLLECTING;
BIBLIOGRAPHY
ARTICLE
T : P U

000196
1961
BAILEY, R.; BIGGS, F.
SALT-WATER AQUARIA
VA: VA INST OF MAR SCI, GLOUCESTER PT, VA; 20PP.
SALTWATER AQUARIUM; SAND; COLLECTING
BOOKLET
T S : P U I H

000197
1976
DEWEES, C.; HOOPER, J.
SAMPLING PLANKTON
CA: SG MAR ADV PUB LEAFLET 2557, UNIV OF CA; 2PP.
PLANKTON; BIOLOGY; COLLECTING; IDENTIFICATION
ARTICLE
T S : I H

000198
N.D.
CHAPMAN, F.
THE SEA AND ITS BOUNDARIES
NC: CARTERET REG MAR SCI PROJ; 13PP.
TIDE; WAVE; PHYSICS; TSUNAMI; LONGSHORE CURRENT; DUNE; SAND; OCEAN FLOOR; GEOLOGY; SALINITY; CURRENT; EQUIPMENT; FIELD TRIP; BEACH
UNIT
T : I

000199
N.D.
CHAPMAN, F.
THE SEA AND MODERN MAN
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS, BEAUFORT, NC; 37PP.
SEAFOOD; RECREATION; CRAB; CRUSTACEAN; FISHERY; LOBSTER; SHRIMP; CLAM; SCALLOP; MOLLUSK; OYSTER; FISH; AQUACULTURE; BIOLOGY; VOCABULARY; TRANSPORTATION; EQUIPMENT; RESOURCE; CONSERVATION
UNIT
T : U I

000200
1970
CHAPMAN, F.
THE SEA AND MODERN MAN
NC: REG MAR SCI PROJ, CARTERET COUN PUB SCHOOLS, BEAUFORT, NC; 25PP.
SEAFOOD; RECREATION; FISHERY; CRAB; CRUSTACEAN; LOBSTER; SHRIMP; SCALLOP; CLAM; MOLLUSK; FISH; AQUACULTURE; VOCABULARY; TRANSPORTATION; EQUIPMENT; RESOURCE; CONSERVATION
UNIT
T : U I

000201
N.D.
DUSHANE, J.
SEA AND SAND
OH: LUCAS COUN SCHOOLS, TOLEDO, OH; 12PP.
ENVIRONMENT; FRESH WATER; BIBLIOGRAPHY; LITERATURE; ART; MUSIC
UNIT
T : U I H

000202
N.D.
CREWS, A.; WOODALL, M.; ANKERMAN, G.; TELLER, P.
SEA CHANGES - TOPICS IN MARINE EARTH SCIENCE
SC: CHARLESTON COUN OCEAN SCI PROJ; 25PP.
PLATE TECTONICS; GEOLOGY; OCEAN FLOOR; SEA LEVEL; COASTLINE; BEACH;
EROSION; VOCABULARY; ESTUARY; SALINITY; WETLAND
UNIT
T : H

000203
1970
HON, W.
SEA FLAVOR PROGRAMS ABOUT COASTAL RESOURCES FOR YOUR CIVIC CLUB
NC: REG MAR SCI PROJ, BEAUFORT, NC; 11PP
MANAGEMENT; RESOURCE; POLLUTION; LAW; FISHERY; ECONOMICS; SEAFOOD;
RECREATION; WETLAND; OIL; FOOD WEB; AQUACULTURE; PLANKTON; FIELD TRIP;
TRAINING; INSECT; DIRECTORY
REFERENCE
T : H A

000204
1974
HULL
SEA FLOOR SPREADING
DE: POPULATION-ENVIRON CURR STUD, COLL OF EDUC, UNIV OF DE; 47PP.
PLATE TECTONICS; GEOLOGY; OCEAN FLOOR; VOCABULARY; BIBLIOGRAPHY; CURRENT;
PHYSICS
LESSON PLAN
T S : I H

000205
N.D.
UNKNOWN
SEA HORSE
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
FISH; BIOLOGY; RESPIRATION; REPRODUCTION; PROTECTION
ARTICLE
T S : U I H

000206
1975
BOWER, C.; DERING, J.
THE SEA IS THE EASIEST PLACE ON EARTH TO LIVE
CT: THE AQUAR, CHILDREN'S MUSEUM OF HARTFORD, W HARTFORD, CT; 33PP.
ENVIRONMENT; RESPIRATION; OXYGEN; FOOD WEB; BIOLOGY; TEMPERATURE;
SALINITY; PLANKTON; FISH; PRESSURE; LIGHT; COASTLINE;
INTERTIDAL AREA; ZONATION; ESTUARY
UNIT
T : P U I

000207
1977
STAFF
SEA PLANTS
NY: NY AQUAR EDUC DEPT; 6PP.
SEAWEED; BIOLOGY; PLANKTON; ALGAE; IDENTIFICATION; HABITAT; ADAPTATION;
ART; RECIPE; BIBLIOGRAPHY
ARTICLE
S : U I

000208
N.D.
HERMAN, S.
SEASHORE PUZZLES AND GAMES FOR AGES 6-9
NJ: THE WETLANDS INST, STONE HARBOR, NJ; 8PP.
PUZZLE
WORKSHEET
S : P U

000209
N.D.
HERMAN, S.
SEASHORE PUZZLES AND GAMES FOR AGES 10 AND UP
NJ: THE WETLANDS INST, STONE HARBOR, NJ; 7PP.
PUZZLE
WORKSHEET
S : U I

000210
1975
CBIS
SEAS IN MOTION
CA: OUTDOOR BIOL INSTRUC STRATEGIES, UNIV OF CA, BERKELEY, CA; 6PP.
WAVE; CURRENT; TIDE; WIND; PHYSICS; BEACH; GEOLOGY; SAND
FIELD GUIDE
T S : I H

000211
1977
STAFF
SEA WORLD
CA: SEA WORLD COMMUNICATIONS, SAN DIEGO, CA; 49PP.
MANAGEMENT; RESOURCE; COASTLINE; HISTORY; POPULATION; CONSERVATION;
WETLAND; INSTRUCTION; FISH; REPRODUCTION; BIOLOGY; HUMANITIES; FIELD TRIP;
ART; LITERATURE; REVIEW; BIBLIOGRAPHY; SAND; WAVE; PLANT; BEACH;
DUNE; SALTWATER AQUARIUM
REFERENCE; CURRICULUM
T : P L I H

000212
1977
STAFF
SEA WORLD
CA: SEA WORLD COMMUNICATIONS, SAN DIEGO, CA; 57PP.
COMMUNICATION; ART; LITERATURE; AQUARIUM; WHALE; MAMMAL; INTERTIDAL AREA;
POLLUTION; ENVIRONMENT; OIL; HISTORY; REVIEW; CHEMISTRY; BIOLOGY; PHYSICS;
GEOLOGY; PLATE TECTONICS; FIELD TRIP; MOLLUSK; IDENTIFICATION; TIDE POOL;
INTERTIDAL AREA; ADAPTATION; ZONATION; WETLAND; PLANT; FOOD WEB;
SALINITY
REFERENCE; CURRICULUM
T : P L I H

000213
N.D.
HEFLIN, N.
THE SEA WORLD - GUIDE FOR FIRST GRADE
VA: ELEM EDUC CENT, FREDERICKSBURG CITY PUB SCHOOLS, 43PP.
PHYSICS; BIOLOGY; FISH; FOOD WEB; SALINITY; BIBLIOGRAPHY; ANATOMY;
COELENTERATE; ANEMONE; CORAL; MOLLUSK; CLAM; MUSSEL; SCALLOP; OCTOPUS;
OYSTER; SNAIL; CRUSTACEAN; SHRIMP; CRAB; LOBSTER; ECHINODERM; SEA STAR;
SEA URCHIN; SAND DOLLAR; SEA CUCUMBER; ART; LITERATURE; SEAFOOD; PLANKTON;
SEAWEED; LIGHT; IDENTIFICATION; FRESH WATER; AQUARIUM; BIBLIOGRAPHY;
FILM LIST
UNIT
T : P

000214
N.D.
HEFLIN, N.
THE SEA WORLD - GUIDE FOR KINDERGARTEN
VA: ELEM EDUC CENT, FREDERICKSBURG CITY PUB SCHOOLS; 47PP.
SALINITY; ART; OCEAN FLOOR; GEOLOGY; SEA STAR; ECHINODERM; BIOLOGY;
LOCOMOTION; LITERATURE; ANATOMY; REPRODUCTION; CRAB; CRUSTACEAN;
HORSESHOE CRAB; HERMIT CRAB; SHELL; OCTOPUS; MOLLUSK; PROTECTION;
BIBLIOGRAPHY; FILM LIST
UNIT
T : P

000215
N.D.
HEFLIN, N.
THE SEA WORLD - GUIDE FOR SECOND AND THIRD GRADES
VA: ELEM EDUC CENT, FREDERICKSBURG CITY PUB SCHOOLS; 49PP.
HISTORY; OCEAN FLOOR; GEOLOGY; DIVING; EQUIPMENT; VOCABULARY; CRUSTACEAN;
WAVE; TIDE; CURRENT; PHYSICS; BIOLOGY; LOCOMOTION; PROTECTION; TSUNAMI;
INTERTIDAL AREA; COELENTERATE; ANEMONE; CORAL; MOLLUSK; CLAM; MUSSEL;
SCALLOP; OYSTER; SNAIL; SHRIMP; CRAB; LOBSTER; ECHINODERM; SEA STAR;
SEA URCHIN; SAND DOLLAR; FISH; ART; LITERATURE; LIGHT; WHALE; MAMMAL;
OCTOPUS; SHARK; SEAFOOD; RESOURCE; TRANSPORTATION; CAREER; RECREATION;
BIBLIOGRAPHY; FILM LIST
UNIT
T : P

000216
1976
MARTIN COUNTY SCHOOLS
SECOND GRADE ANIMAL FLASH CARDS
FL: MARTIN COUN SCHOOLS ENVIRON STUD CENT, JENSEN BCH, FL; 11PP.
FISH; BIRD; PLANT; SHRIMP; CRUSTACEAN; BIOLOGY
FLASH CARDS
T S : P

000217
N.D.
SCARFF, J.
A SECOND GRADE TOUR OF MUDFLAT TOWN
NC: MAR SCI PROJ, BEAUFORT, NC; 14PP.
BIOLOGY; FRESH WATER; SALTWATER; COASTLINE; BEACH; WAVE; FISH; HARVESTING;
CLAM; MOLLUSK; OYSTER; SCALLOP; CRAB; CRUSTACEAN; HERMIT CRAB; SNAIL;BIRD;
PLANT; ALGAE; FOOD WEB
FICTION
T : P

000218
N.D.
UNKNOWN
SELECTED BIBLIOGRAPHY IN MARINE SCIENCE - BOOKS AND PERIODICALS
CA: ORANGE COUN DEPT OF EDUC, SANTA ANA, CA; 55PP.
BIBLIOGRAPHY; PERIODICALS
REFERENCE
T S : H A

000219
N.D.
NOA
SELECTED READING IN OCEANOGRAPHY
DC: NAT OCEAN ASSOC, WASHINGTON, DC; 8PP.
BIOLOGY; PHYSICS; CHEMISTRY; GEOLOGY; BIBLIOGRAPHY; PERIODICALS
REFERENCE
T S : P U I H A

000220
1974
WISNER, T.
SHARING FACTS AND FEELINGS
MD: AQUAPEAKE PROJ, UNIV OF MD NATURAL RESOURCES INST; 5PP.
FISH; BEACH; FIELD TRIP; MUSIC
LESSON PLAN
T : P

000221
N.D.
PARMER, C.
SHARK FACTS
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 6PP.
SHARK; BIOLOGY; IDENTIFICATION; VOCABULARY; ANATOMY; SEAFOOD
WORKSHEET
S : U I

000222
1976
UNKNOWN
SHARKS
DC: NAT GEOGRAPHIC WORLD, NO 5, JAN 1976; 5PP.
SHARK; BIOLOGY
ARTICLE
S : U I

000223
1977
UNKNOWN
SHARKS
DC: RANGER RICK'S NATURE MAGAZINE, NAT WILDLIFE FED; 7PP.
SHARK; BIOLOGY; TEMPERATURE; IDENTIFICATION; REPRODUCTION
ARTICLE
S : U I

000224
N.D.
UNKNOWN
SHARKS
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
SHARK; BIOLOGY; SEAFOOD
ARTICLE
T S : L I H

000225
1976
SEAMAN, W., ED.
SHARKS AND MAN: A PERSPECTIVE
FL: MAR ADV PROG, G022 MCCARTY HALL, GAINESVILLE, FL; 37PP.
SHARK; BIOLOGY; FISHERY; RECREATION; HISTORY; ECONOMICS; POPULATION;
MIGRATION; BEHAVIOR; SEAFOOD; DIRECTORY
CONFERENCE PROCEEDINGS
T S : A

000226
N.D.
UNKNOWN
SIGNIFICANT ASPECTS OF THE TIDES
MD: US DEPT OF COMMERCE, NOAA, ROCKVILLE, MD; 23PP.
TIDE; PHYSICS; SEA LEVEL; NAVIGATION; COASTLINE; RECREATION
ARTICLE
T S : H A

000227
N.D.
ZANEVELD, J.
A SIMPLIFIED KEY FOR IDENTIFYING THE MAJOR GROUPS OF THE ANIMAL KINGDOM
USING LOCAL MARINE ORGANISMS
VA: DEPT OF OCEAN, OLD DOMINION COLL, NORFOLK, VA; 4PP.
IDENTIFICATION; BIOLOGY; PROTOZOAN; SPONGE; ECHINODERM; COELENTERATE;
CTENOPHORE; WORM; MOLLUSK; CRUSTACEAN
REFERENCE
T : I H

000228
1976
UNKNOWN
SINGLE HOSE SCUBA REGULATOR CARE
NH: UNH MAR ADV PROG, DURHAM, NH; 4PP.
DIVING; SAFETY
ARTICLE
T S : H A

000229
1972
US COAST GUARD
THE SKIPPER'S COURSE
DC: DEPT OF TRANSPORTATION, US COAST GUARD; 86PP.
RECREATION; SAFETY; LAW; WEATHER; EQUIPMENT; NAVIGATION; VOCABULARY
UNIT
T S : I H A

000230
1977
WATERS, E.
SMALL OCEANS
MA: COOP EXT SERV, UNIV OF MA; 29PP.
SALTWATER AQUARIUM; EQUIPMENT; SALINITY; TEMPERATURE; FILTRATION; PH;
BIOLOGY; ALGAE; SEAWEED; SPONGE; COELENTERATE; WORM; CRUSTACEAN; MOLLUSK;
ECHINODERM; FISH; BIBLIOGRAPHY
UNIT
T : P U I H

000231
1971
STAFF
SNOW AND ICE
DC: NAT WILDLIFE FED, WASHINGTON, DC; 21PP.
PHYSICS; TEMPERATURE; DENSITY; ART; WIND; ICE
UNIT
T : P L

000232
N.D.
UNKNOWN
SOME COMMON BIVALVES OF VIRGINIA WATERS
VA: VA FISH LAB, YORKTOWN, VA; 14PP.
MOLLUSK; BIOLOGY; IDENTIFICATION; ECONOMICS; CLAM; OYSTER; MUSSEL;
COLLECTING; ANATOMY; BIBLIOGRAPHY
UNIT
T : U I H

000233
N.D.
ROSE, D.
SOME COMMON MARINE ANIMALS AND PLANTS OF TIDEWATER VIRGINIA
VA: HAMPTON CITY SCHOOLS, HAMPTON, VA; 40PP.
IDENTIFICATION; BIOLOGY
REFERENCE
T S : I H

000234
N.D.
UNKNOWN
SOME ENEMIES OF THE CYSTER
VA: VA FISH LAB, YORKTOWN, VA; 11?P.
OYSTER; BIOLOGY; BARNACLE; CRUSTACEAN; SNAIL; MOLLUSK; SEA STAR;
 ECHINODERM; SPONGE; WORM; CRAB; FISH; BIBLIOGRAPHY
UNIT
T : U I H

000235
N.D.
UNKNOWN
SOME SNAILS OF TIDEWATER VIRGINIA
VA: VA FISH LAB, YORKTOWN, VA; 12PP.
SNAIL; MOLLUSK; BIOLOGY; COLLECTING; IDENTIFICATION; ANATOMY; BIBLIOGRAPHY
UNIT
T : U I H

000236
N.D.
ABEL, R.
SOME THOUGHTS ABOUT CONSIDERING A CAREER IN OCEANOGRAPHY
UNKNOWN; 5PP.
CAREER; EDUCATION; EMPLOYMENT
ARTICLE
T S : H

000237
1968
BEAKLEY, J. AND OTHERS
THE SOURCE BOOK OF MARINE SCIENCES
FL: STATE DEPT OF EDUC, TALAHASSEE, FL; 158PP.
SALTWATER AQUARIUM; EQUIPMENT; BIBLIOGRAPHY; TIDE; PHYSICS; CURRENT;
 ESTUARY; BEACH; SAND; PROFILE; WAVE; GEOLOGY; TURBIDITY; PH; CHEMISTRY;
 COLLECTING; SALINITY; BACTERIA; ALGAE; BIOLUMINESCENCE; IDENTIFICATION;
 PLANKTON; SPONGE; BIOLOGY; COELENTERATE; MOLLUSK; HORSESHOE CRAB; ANATOMY;
 CRUSTACEAN; BARNACLE; LIFE CYCLE; CRAB; REPRODUCTION; SHRIMP; ECONOMICS;
LOBSTER; SEA URCHIN; ECHINODERM; FISH; SHARK; LIGHT; POPULATION; SEAWEED;
 ART; MATH; PERIODICALS; FILM LIST
SOURCEBOOK
T : P U I H

000238
1971
PERKINS, K.
SOUTHERN CALIFORNIA MARINE PLANKTERS
CA: ORANGE COUN DEPT OF EDUC, SAN JUAN CAPISTRANO, CA; 6PP.
PLANKTON; BIOLOGY; IDENTIFICATION
ARTICLE
T S : I H

000239
1968
STEPHENS, W.
SO YOU WANT TO BE A MARINE SCIENTIST
FL: SEAQUARIUM SCI SER NO 2, METRO MIAMI SEAQUARIUM; 19PP.
CAREER; BIOLOGY; GEOLOGY; PHYSICS; CHEMISTRY; EDUCATION; BIBLIOGRAPHY
BOOKLET
S : I H

000240
1976
MARTIN COUNTY SCHOOLS
SEVENTH GRADE SPOIL ISLAND INVESTIGATION
FL: MARTIN COUN SCHOOLS ENVIRON STUD CENT, JENSEN BCH, FL; 132PP.
FIELD TRIP; PHYSICS; COLLECTING; IDENTIFICATION; EQUIPMENT; RIVER;
BIBLIOGRAPHY; VOCABULARY; FOOD WEB; ENERGY; ENVIRONMENT; BIOLOGY; PROFILE;
WIND; TEMPERATURE; SALINITY; OXYGEN; DEPTH; LIGHT; PLANT; SAND; BIRD;
FISH; TRANSPORTATION; INDUSTRY; SEAFOOD; RECREATION; POLLUTION;
MANGROVE; WETLAND; GRASSFLAT; HABITAT; ZONATION; FRESH WATER; PLANKTON;
COELENTERATE; CTENOPHORE; MOLLUSK; CRUSTACEAN; HORSESHOE CRAB; PUZZLE
CURRICULUM
T : I

000241
1977
CORCORAN, G.
SPECKLED TROUT
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
FISH; BIOLOGY; HARVESTING
ARTICLE
T S : I H

000242
N.D.
FISHER, J.; JONES, J.
SPONGES: APARTMENT HOUSES AND WATER PUMPS OF THE SEA
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 4PP.
SPONGE; BIOLOGY; ANATOMY
ARTICLE
S : U I

000243
N.D.
UNKNOWN
SQUID
MS: MAR EDUC CENT, BILOXI, MS; 3PP.
SQUID; MOLLUSK; BIOLOGY; ANATOMY; PROTECTION; FISHERY
ARTICLE
T S : I H

000244
N.D.
UNKNOWN
STINGRAYS
MS: MAR EDUC CENT, BILOXI, MS; 3PP.
SAFETY; STINGRAY; SEAFOOD
ARTICLE
T S : I H

000245
1977
UNKNOWN
STUDENT MANUAL FOR THE MARINE SCIENCE FLOATING LABORATORY
CA: MAR SCI PROG, LOS ANGELES COUN; 12PP.
FIELD TRIP; EQUIPMENT; COLLECTING; IDENTIFICATION; ANATOMY; FISH; BIRD;
MAMMAL; SHARK
FIELD GUIDE; WORKBOOK
S : I H A

000246
1976
PFUND, R., ED.
STUDENT SYMPOSIUM ON MARINE AFFAIRS
HI: SG COLL PROG, UNIV OF HI; 104PP.
AQUACULTURE; MANAGEMENT; FISHERY; LAW; LOBSTER; CRUSTACEAN; TURTLE;
REPTILE; FISH; EROSION; CORAL; HERITAGE; OIL; GEOLOGY; BIOLOGY;
OCEAN FLOOR;RESOURCE
CONFERENCE PROCEEDINGS
T S : H A

000247
1977
RUSHFORTH, S.
THE STUDY OF ALGAE
THE AMERICAN BIOLOGY TEACHER, 39(5); 316-320
ALGAE; BIOLOGY; IDENTIFICATION; PHOTOSYNTHESIS; REPRODUCTION; HABITAT;
CHEMISTRY; POLLUTION; COLLECTING; PLANKTON; FRESH WATER
ARTICLE
T S : I H

000248
1976
BORAGINE, R.
TALL SHIPS - A CULTURAL HISTCRICAL VIEW OF OUR MARINE ENVIRONMENT
MA: MA COOP EXT SERV; 50PP.
HISTORY; VOCABULARY; SHIPBUILDING; MATH; WIND; PUZZLE; WHALE; MAMMAL; ART; COMMUNICATION; COASTLINE; MUSIC; BIBLIOGRAPHY; FIELD TRIP; DIRECTORY
SOURCEBOOK
T S : P U

000249
1977
UNKNOWN
TEACHER GUIDE FOR THE MARINE SCIENCE FLOATING LABORATORY
CA: MAR SCI PROG, LOS ANGELES COUN; 23PP.
FIELD TRIP; EQUIPMENT; TURBIDITY; PLANKTON; LIGHT; SEDIMENT; TEMPERATURE; PH; NAVIGATION; COLLECTING; BIRD; IDENTIFICATION; FISH; MAMMAL; SHARK;WIND
FIELD GUIDE
T : I H A

000250
N.D.
MCDONOUGH, S.; KORPORAAL, A.
TEACHER GUIDE FOR THE MARINE SCIENCE FLOATING LABORATORY - SAN DIEGO SUPPLEMENT
CA: OFF OF LOS ANGELES COUN SUPERINTENDENT, DOWNEY, CA; 5PP.
FIELD TRIP; ENVIRONMENT; PLANKTON; COLLECTING; BOTTOM GRAB; BIRD; ALGAE; CONSERVATION; FOOD WEB; POLLUTION; RECREATION; ECONOMICS
FIELD GUIDE
T : I H A

000251
1977
CALLAGHAN, S.
TEACHER'S ACTIVITY GUIDE TO COASTAL AWARENESS
RI: COASTAL RESOURCES CENT, UNIV OF RI, MAR BULL NO 23; 85PP.
COASTLINE; RESOURCE; VOCABULARY; BIBLIOGRAPHY; PERIODICALS; ESTUARY; ENVIRONMENT; FISH; REPRODUCTION; BIOLOGY; TIDE; PHYSICS; WAVE; MANAGEMENT; PLANT; BEACH; SAND; ZONATION; INTERTIDAL AREA; WETLAND; SEAFOOD; RECIPE; HABITAT; ART; BIRD; PROFILE; GEOLOGY; FOOD WEB; MUSIC; SHELL; LOBSTER; CRUSTACEAN; ANATOMY; WEATHER; RECREATION; FISHERY; CAREER; OIL; POLLUTION; TRADE; COMMERCE; CONSERVATION; PUZZLE
SOURCEBOOK
T : P L

000252
1976
STAFF
TEACHER'S GUIDE TO GULF BEACH NATIONAL ENVIRONMENTAL STUDY AREA
FL: ENVIRON STUD CENT, PENSACOLA, FL; 60PP.
BEACH; FIELD TRIP; FOOD WEB; BICLOGY; COASTLINE; SAND; GEOLOGY; WIND; WAVE; PHYSICS; LONGSHORE CURRENT; DUNE; PLANT; ZONATION; INTERTIDAL AREA; BIRD; HABITAT; ADAPTATION; PLANKTON; WEATHER; ART; MATH; HISTORY; LITERATURE; BIBLIOGRAPHY; FILM LIST; FILMSTRIP LIST
SOURCEBOOK
T : U I

000253
1966
SMALL, L.
TEACHING AND RESEARCH IN BIOLOGICAL OCEANOGRAPHY
AMER BIOL TEACH; 28(1): 19-22.
INSTRUCTION; BIOLOGY; CAREER
ARTICLE
T S : H A

000254
1970
UNKNOWN
THOSE ALLURING CAREERS IN OCEAN SCIENCES
THE KIPLINGER MAGAZINE, WASHINGTON, DC; 3PP.
CAREER; PHYSICS; CHEMISTRY; GEOLOGY; BIOLOGY; AQUACULTURE; RESOURCE; MANAGEMENT
ARTICLE
T S : I H A

000255
1972
UNKNOWN
TIDAL CURRENTS
MD: US DEPT OF COMMERCE, NOAA, NAT OCEAN SURVEY, ROCKVILLE, MD; 22PP.
TIDE; CURRENT; PHYSICS; MATH; BIBLIOGRAPHY
ARTICLE
T S : H A

000256
1974
OLMSTEAD, N.; FELL, P.
TIDAL MARSH INVERTEBRATES OF CONNECTICUT
CT: CT ARBORETUM, BULL NO 20, CT COLL, NEW LONDON, CT; 38PP.
WETLAND; ENVIRONMENT; BIOLOGY; PLANT; FOOD WEB; NUTRITION; ZONATION; IDENTIFICATION; ANEMONE; MOLLUSK; SNAIL; ANATOMY; MUSSEL; CRUSTACEAN; INSECT; CRAB; SHRIMP; ISOPOD; BARNACLE; INSECT; FISH; TURTLE; REPTILE; BIBLIOGRAPHY
BOOKLET
T S : H

000257
1976
SILBERHORN, G.
TIDAL WETLAND PLANTS OF VIRGINIA
VA: VA INST OF MAR SCI, GLOUCESTER PT, VA; 86PP.
WETLAND; PLANT; IDENTIFICATION; BIOLOGY; HABITAT
FIELD GUIDE
T S : I H A

000258
1972
GOODWIN, H.
TODAY'S YOUTH IN TOMORROW'S SEA
OR: PACIFIC SG ADV PROG; 12PP.
CAREER; DIVING; PHYSICS; CHEMISTRY; GEOLOGY; BIOLOGY; INDUSTRY; RESOURCE; INSTRUCTION; AQUACULTURE; CONSERVATION; LAW; ECONOMICS; EMPLOYMENT
ARTICLE
S : I H A

000259
1971
GOODWIN, H.
TODAY'S YOUTH IN TOMORROW'S SEA
OR: OR STATE UNIV, EXT MAR ADV PROG, SG; 9PP.
CAREER; DIVING; INSTRUCTION; PHYSICS; CHEMISTRY; GEOLOGY; BIOLOGY; LAW; ECONOMICS; AQUACULTURE; EMPLOYMENT
ARTICLE
S : I H A

000260
1977
GOODWIN, H.
TODAY'S YOUTH IN TOMORROW'S SEA
OR: OR STATE UNIV, EXT MAR ADV PROG; 12PP.
CAREER; PHOTOGRAPHY; SHIPBUILDING; INDUSTRY; DIVING; RESOURCE; EMPLOYMENT; SEAFOOD; FISHERY; MANAGEMENT; TRADE; RECREATION; AQUARIUM; MUSEUM; INSTRUCTION; COMMUNICATION; AQUACULTURE; OIL; SUBMERSIBLE
ARTICLE
S : I H A

000261
1966
PINCUS, H.
SECRETS OF THE SEA - OCEANOGRAPHY FOR YOUNG SCIENTISTS
OH: AMER PUB, INC, EDUC CENT, COLUMBUS, OH; 31PP.
VESSEL; EQUIPMENT; COLLECTING; BOTTOM GRAB; SEDIMENT; OCEAN FLOOR; RESOURCE; WAVE; CIRCULATION; TSUNAMI; TIDE; CURRENT; CORIOLIS EFFECT; BEACH; EROSION; FISH; POPULATION; PLANKTON; BIOLOGY; GEOLOGY; PHYSICS; CHEMISTRY; ENVIRONMENT; DIVING; ICE; SUBMERSIBLE; INSTRUCTION; DIRECTORY
BOOKLET
S : I H

000262
1961
PEQUEGNAT, W.
NEW WORLD FOR MARINE BIOLOGISTS
NATURAL HISTORY INC NATURE MAGAZINE; 8-17.
BIOLOGY; DIVING; OCEAN FLOOR; GEOLOGY; PHYSICS; TEMPERATURE; SALINITY; BENTHOS; ZONATION
ARTICLE
T S : H A

000263
1970
PRESIDENT'S TASK FORCE ON OCEANOGRAPHY
MOBILIZING TO USE THE SEAS
DC: SUPERINTENDENT OF DOCUMENTS, US GOVT PRINTING OFF, WASHINGTON; 12PP.
MANAGEMENT; RESOURCE; POLLUTION; EROSION; WEATHER; TRANSPORTATION; CONSERVATION; LAW; RECREATION; ECONOMICS; ENGINEERING
BOOKLET
T S : H A

000264
1962
GARY, R.; MICHENER, J.; BURDICK, E.
THE SEA
LIFE MAGAZINE; 173PP.
ICE; FISHERY; TIDE; HARVESTING; BIRD; LITERATURE; WAVE; VESSEL; DIVING;
SEAFOOD; FISH; WHALE; SUBMERSIBLE; SAFETY; RECREATION; NAVIGATION;
HISTORY; ART; ECONOMICS; TRADE; TRANSPORTATION
ARTICLES
T S : I H A

000265
1966
COWEN, R.
BENEATH THE SURF...CHALLENGE AND REWARD
DC: NAT OCEAN ASSOC, WASHINGTON, DC; 17PP.
SEAFOOD; LAW; RESOURCE; OCEAN FLOOR; INDUSTRY; OIL; SHELL; FOOD WEB;
HARVESTING; FISHERY; AQUACULTURE; DIVING; SUBMERSIBLE; SOUND; LIGHT
ARTICLES
T S : H A

000266
1969
NOA
OCEANOGRAPHY - THE NEXT FRONTIER
NEW YORK TIMES, SECTION 12, JUNE 29, 1969; 6PP.
INDUSTRY; AQUACULTURE; NUTRITION; RESOURCE; SUBMERSIBLE; FISHERY; WEATHER;
TRANSPORTATION; SALINITY; RECREATION; EQUIPMENT
ARTICLES
T S : H A

000267
1961
ALEXANDER, J.
GRASSROOTS OCEANOGRAPHY
PACIFIC DISCOVERY; XIV(1): 18-23.
INSTRUCTION; FIELD TRIP; COLLECTING; VESSEL; EQUIPMENT; TRAINING
ARTICLE
T : P U I H

000268
1970
OREGON STATE UNIVERSITY
INVENTORY OF MARINE RESOURCES PUBLICATIONS AND FILMS
OR: OR STATE UNIV, SG MAR ADV PROG, CORVALLIS, OR; 43PP.
PERIODICALS; FILM LIST; BIBLIOGRAPHY;
REFERENCE
T : P U I H A

000269
1977
GOODWIN, H.
AN INTRODUCTION TO MARINE EDUCATION
DE: SG COLL PROG, UNIV OF DE, COLL OF MAR STUD, NEWARK, DE; 34PP.
VOCABULARY; CAREER; INSTRUCTION; TRAINING; RESOURCE; FRESH WATER;
TRANSPORTATION; POPULATION; IMPLEMENTATION; DIRECTORY; RATIONALE
REFERENCE
T : P U I H A

000270
1976
GOODWIN, H.
AN INTRODUCTION TO MARINE EDUCATION
MD: 6212 VERNE ST, BETHESDA, MD; 27PP.
INSTRUCTION; TRAINING; RATIONALE; VOCABULARY; IMPLEMENTATION; DIRECTORY
REFERENCE
T : P U I H A

000271
1965
ABEL, R.; LINDQUIST, C.
INNER SPACE - SEA OF OPPORTUNITY
DC: INTERAGENCY COMM ON OCEAN, WASHINGTON, DC; 7PP.
RESOURCE; HISTORY; PHYSICS; BIOLOGY; EMPLOYMENT; CAREER; MILITARY;
INDUSTRY; DIVING; RESEARCH; INSTRUCTION; EQUIPMENT; CHEMISTRY; GEOLOGY;
DIRECTORY
REFERENCE
T S : H A

000272
1977
JOHNSON, P.; WEIMER, L.
INFORMAL SURVEY OF K-12 ACTIVITIES/PUBLICATIONS SPONSORED BY SEA GRANT
INSTITUTIONS AROUND THE COUNTRY
WI: UNIV OF WI, SG COLL PROG, MADISON, WI; 13PP.
DIRECTORY; BIBLIOGRAPHY
REFERENCE
T : P U I H A

000273
1960
BAILEY, R.
INHABITANTS OF CHESAPEAKE BAY - ANIMALS OF JELLY
VA: VA FISH LAB, GLOUCESTER PT, VA; 32PP.
COELENTERATE; CTENOPHORE; BIOLOGY; ANATOMY; LIFE CYCLE; REPRODUCTION;
IDENTIFICATION; ANEMONE; BIBLIOGRAPHY; HYDRA
BOOKLET
T S : I H

000274
1970
TANAKA, S.
AN INSTRUCTIONAL GUIDE TO TIDEPOOL BIOTA
HI: OFF OF EDUC SERV, DEPT OF EDUC; 75PP.
TIDE POOL; BEACH; BIOLOGY; TIDE; REEF; DEPTH; CONSERVATION; ALGAE;
TEMPERATURE; SALINITY; FIELD TRIP; SAFETY; EQUIPMENT; COASTLINE;
INTERTIDAL AREA; IDENTIFICATION; HABITAT; ANATOMY; LITERATURE; MUSIC; ART;
SEA URCHIN; ECHINODERM; LOCOMOTION; COLLECTING; SEAWEED; SAND; CHEMISTRY;
VOCABULARY; PHYSICS; SEA CUCUMBER; SEA STAR; CRAB; CRUSTACEAN; SNAIL;
MOLLUSK; LIMPET; SHRIMP; ANEMONE; COELENTERATE; FISH; BARNACLE; WORM;
BIBLIOGRAPHY; SALTWATER AQUARIUM; CORAL; LOBSTER; SHELL
SOURCEBOOK
T : P U I

000275
1977
CALDER, D.; PRIDGEN, M.
GUIDE TO COMMON JELLYFISHES OF SOUTH CAROLINA
SC: SC SG MAR ADV BULL 11, SC MAR RESOURCE CENT, CHARLESTON, SC; 14PP.
COELENTERATE; BIOLOGY; LIFE CYCLE; REPRODUCTION; IDENTIFICATION
BOOKLET
T S : I H A

000276
1977
CUMMINS, K.
FROM HEADWATER STREAMS TO RIVERS
THE AMER BIOL TEACH; 39(5): 305-312.
STREAM; RIVER; PLANT; TEMPERATURE; DETRITUS; BACTERIA; ALGAE; FISH;
SEDIMENT; BIOLOGY; LIGHT; TURBIDITY; MANAGEMENT; PHOTOSYNTHESIS;
RESPIRATION
ARTICLE
T : H A

000277
1970
SCARFF, J.
A TOUR OF MUDFLAT TOWN
NC: REG MAR SCI PROJ, CARTERET COUN SCHOOLS, BEAUFORT, NC; 23PP.
FRESH WATER; SALINITY; COASTLINE; WAVE; SAND; FISH; HARVESTING; CLAM;
SHELL; OYSTER; SCALLOP; MOLLUSK; CRAB; CRUSTACEAN; HERMIT CRAB; SHRIMP;
SNAIL; PLANT; BIRD; ALGAE; FOOD WEB; SEAWEED
WORKBOOK
S : P U

000278
1969
UNKNOWN
TRAINING AND CAREERS IN MARINE SCIENCE
FL: INTNAT OCEAN FOUN, MIAMI, FL; 15PP.
RESOURCE; WEATHER; GEOLOGY; BIOLOGY; CHEMISTRY; PHYSICS; CAREER;
INSTRUCTION; EMPLOYMENT; ENGINEERING; BIBLIOGRAPHY; DIRECTORY
BOOKLET
S : I H A

000279
1970
UNKNOWN
TRAINING AND CAREERS IN MARINE SCIENCE
FL: INTNAT OCEAN FOUN, MIAMI, FL; 15PP.
RESOURCE; GEOLOGY; BIOLOGY; CHEMISTRY; PHYSICS; METEOROLOGY; CAREER;
TRAINING; INSTRUCTION; EMPLOYMENT; ENGINEERING; BIBLIOGRAPHY; DIRECTORY
BOOKLET
S : I H A

000280
1970
HON, W.; CHAPMAN, F.
TREASURE HUNT: LIFE OF THE SOUND
NC: REG MAR SCI PROJ, CARTERET COUN SCHOOLS, BEAUFORT, NC; 16PP.
BEACH; SOUND; FOOD WEB; COLLECTING; BOTTOM GRAB; IDENTIFICATION; SEAWEED;
SPONGE; COELENTERATE; ANEMONE; CTENOPHORE; WORM; SEA URCHIN; SEA STAR;
ECHINODERM; SAND DOLLAR; BARNACLE; CRUSTACEAN; SHRIMP; CRAB; HERMIT CRAB;
MOLLUSK; LIMPET; CLAM; SCALLOP; OYSTER; SNAIL; SHELL; SQUID; FISH;
POLLUTION; NAVIGATION; VESSEL; VOCABULARY
FIELD GUIDE
T S : U

000281
1959
BAILEY, R.
TREASURES FROM THE SEA
VA: EDUC SER NO 10, VA FISH LAB, GLOUCESTER PT, VA; 22PP.
HISTORY; SEAFOOD; FISHERY; INDUSTRY; OYSTER; FISH; CRAB; RECREATION;
CONSERVATION; MANAGEMENT
BOOKLET
T S : I H

000282
1970
BENNETT, D.
202 QUESTIONS FOR THE ENDANGERED COASTAL ZONE
NJ: AMER LITTORAL SOCIETY, SANDY HOOK, HIGHLANDS, NJ; 28PP.
COASTLINE; HABITAT; CONSERVATION; NAVIGATION; RESOURCE; ESTUARY; BEACH;
EROSION; POLLUTION; OIL
BOOKLET
T : H A

000283
1977
BOOTH, G.
USING MODEL ECOSYSTEMS TO PREDICT THE ENVIRONMENTAL BEHAVIOR OF PESTICIDES
THE AMER BIOL TEACH; 39(5): 275-278.
POLLUTION; AQUARIUM; FOOD WEB; SNAIL; ALGAE
ARTICLE; LAB EX
T : H A

000284
1976
MARTIN COUNTY SCHOOLS
SECOND GRADE VOCABULARY FLASH CARDS
FL: MARTIN COUN SCHOOLS ENVIRON STUD CENT, JENSEN BCH, FL; 15PP.
ENVIRONMENT; ADAPTATION; COMMUNITY; HABITAT; PROTECTION; VOCABULARY
FLASH CARDS
T S : P L

000285
N.D.
WYATT, B.; DEWEES, C.
UPWELLING IN CALIFORNIA COASTAL WATERS
CA: SG MAR ADV PUB LEAFLET 2939, UNIV OF CA; 4PP.
UPWELLING; HARVESTING; FISHERY
BOOKLET
T S : I H

000286
1974
WISNER, T.
WALK ON THE WATER
MD: CHESAPEAKE BIOL LAB, NAT RESOURCES INST, UNIV OF MD; 70PP.
VESSEL; RIVER; ESTUARY; ENVIRONMENT; FIELD TRIP; COLLECTING; EQUIPMENT;
SAFETY; AQUARIUM; MUSIC
BOOKLET; GUIDE
T S : U

000287
1966
RENN, C.; SCHMIDT, J.
WATER
JOHN HOPKINS MAGAZINE; 17(8): 56PP.
CHEMISTRY; PHYSICS; TEMPERATURE; WEATHER; HYDROLOGIC CYCLE; RIVER; ESTUARY;
HERITAGE; RESOURCE; RECREATION; MANAGEMENT; INDUSTRY; POLLUTION;
ECONOMICS; RESEARCH; CONSERVATION; BACTERIA; WAVE; CURRENT; SEDIMENT;
GEOLOGY; BIOLOGY; COLLECTING; DIVING
REFERENCE
T S : A

000288
1975
OBIS
WATER BREATHERS
CA: OUTDOOR BIOL INSTRUC STRATEGIES, UNIV OF CA, BERKELEY, CA; 4PP.
CURRENT; ENVIRONMENT; ADAPTATION; BIOLOGY
LAB EX
T S : U I

000289
1977
BISHOP, G.; FELLOWS, J.
WATER - WHAT WOULD WE DO WITHOUT IT?
RANGER RICK'S NATURE MAGAZINE, NAT WILDLIFE FED, WASHINGTON, DC; 10PP.
HYDROLOGIC CYCLE; RESOURCE; EROSION; POLLUTION; TREATMENT; CONSERVATION
ARTICLE; WORKSHEET; LAB EX
S : U I

000290
1974
WISNER, T.
WATER, WINDS AND WEATHER
MD: AQUAPEAKE PROJ, UNIV OF MD, NAT RESOURCES INST; 6PP.
WEATHER; CURRENT; PHYSICS
LAB EX
S : I

000291
1970
SNYDER, R.
WHAT EVERYONE SHOULD KNOW ABOUT OCEANOGRAPHY
FL: SNYDER OCEAN SERV, JUPITER, FL; 51PP.
INSTRUCTION; RESEARCH; CURRENT; WEATHER; RECREATION; OCEAN FLOOR;
COASTLINE; SEA LEVEL; BIOLOGY; PLANKTON; NEKTON; BENTHOS; HISTORY;
GEOLOGY; CHEMISTRY; PHYSICS; METEOROLOGY; CAREER; RESOURCE; BIBLIOGRAPHY;
PERIODICALS; DIRECTORY
BOOKLET
T S : I H A

000292
N.D.
PARMER, C.
WHAT IS A CRAB?
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 4PP.
CRAB; BIOLOGY; ANATOMY; HABITAT; SHELL; IDENTIFICATION; CRUSTACEAN;
HERMIT CRAB; HORSESHOE CRAB
ARTICLE; WORKSHEET
S : U I

000293
N.D.
PARMER, C.
WHAT MAKES THE TIDES?
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL,
GAINESVILLE, FL; 4PP.
TIDE; SEA LEVEL; PHYSICS
ARTICLE; ACTIVITY
S : U I

000294
1977
VAN RAALTE, C.
WHAT'S THE USE OF A SALT MARSH?
THE AMER BIOL TEACH; 39(5): 285-288.
WETLAND; HABITAT; CONSERVATION; COASTLINE; SEDIMENT; GEOLOGY; PLANT;
DETRITUS; FOOD WEB; FISHERY; ECONOMICS; AQUACULTURE; POLLUTION; WAVE;
RECREATION
ARTICLE
T S : H A

000295
N.D.
UNKNOWN
WHITE SHRIMP - MISSISSIPPI COMMERCIAL SHRIMP
MS: MAR ED CENT, BILOXI, MS; 4PP.
SHRIMP; CRUSTACEAN; BIOLOGY; LIFE CYCLE; SALINITY; REPRODUCTION; PLANKTON;
FISHERY; CONSERVATION
ARTICLE
T S : I H

000296
1976
MARTIN COUNTY SCHOOLS
KINDERGARTEN - YOUR ENVIRONMENT
FL: MARTIN COUN SCHOOLS ENVIRON STUD CENT, JENSEN BCH, FL; 26PP.
HABITAT; ENVIRONMENT; BIOLOGY; FISH
UNIT
T : P

000297
1971
STAFF
WHAT CAN I DO?
NY: NY ZOOLOGICAL SOCIETY; 3PP.
POLLUTION; ALGAE; CONSERVATION; DIRECTORY
ARTICLE
T S : U I H

000298
N.D.
CREWS, A.; WOODALL, M.; AWKERMAN, G.; TELLER, P.
ZONES OF LIFE IN THE SEA
SC: CHARLESTON COUN OCEAN SCI PROJ; 25PP.
ENVIRONMENT; TIDE; INTERTIDAL AREA; BEACH; WETLAND; LIGHT; PHOTOSYNTHESIS; ADAPTATION; BENTHOS; TEMPERATURE; NEKTON; SALINITY; PRESSURE; ZONATION; MANGROVE; WAVE; CURRENT
UNIT; LAB EX
T : I

000299
N.D.
PARMER, C.
ZOOPLANKTON - THE OCEAN'S WANDERING ANIMALS
FL: MAR SCI 4-H SPEC INTEREST SER, FL COOP EXT SERV, UNIV OF FL, GAINESVILLE, FL; 4PP.
PLANKTON; BIOLOGY; TIDE; CURRENT; COPEPOD; ANATOMY; LIFE CYCLE
WORKSHEET
S : U I

000300
1971
STAFF
FISH AND WATER TEMPERATURE
DC: NAT WILDLIFE FEDERATION, WASHINGTON, DC; 20PP.
ENVIRONMENT; TEMPERATURE; FISH; RESPIRATION; ANATOMY; BEHAVIOR; MATH; BIBLIOGRAPHY
BOOKLET; LAB EX
S : I

000301
1978
STAFF
SEA WORLD
CA: SEA WORLD COMMUNICATIONS, SAN DIEGO, CA; 65PP.
VOCABULARY; BIRD; BIOLOGY; POPULATION; REPRODUCTION; POLLUTION;
ENVIRONMENT; FISH; REEF; CTENOPHORE; COELENTERATE; PLANKTON; FOOD WEB;
AQUARIUM; SEAL; RESEARCH; MAMMAL; SHARK; SOCIAL STUDIES; TRAINING;
FIELD TRIP; PHOTOGRAPHY; DIVING; HERITAGE; TRADE; MILITARY; ART;
LITERATURE; FISHERY; RECREATION; SHELL; MOLLUSK; HISTORY; FOSSIL; ANATOMY;
ICE; FRESH WATER; SALINITY; TEMPERATURE; ECONOMICS; SEAFOOD; NUTRITION;
CURRENT; PHYSICS; OIL; REVIEW; PROTECTION; COPEPOD; UPWELLING;
PHOTOSYNTHESIS; CAREER; GEOLOGY; MANAGEMENT; TRANSPORTATION; AQUACULTURE;
EMPLOYMENT; RESOURCE; INSTRUCTION; CONSERVATION; MATH; BIBLIOGRAPHY;
DIRECTORY
REFERENCE; ARTICLE; ACTIVITY
T : P U I H A

000302
1972
STAFF
BRINE SHRIMP AND THEIR HABITAT
DC: NAT WILDLIFE FEDERATION, WASHINGTON, DC; 17PP.
SHRIMP; ENVIRONMENT; BIOLOGY; LIFE CYCLE; BEHAVIOR; POPULATION; FOOD WEB;
TEMPERATURE; LIGHT; SHELL; REPRODUCTION; BIBLIOGRAPHY
UNIT
T : P U

000303
1966
D'OMBRAIN, S.; CARRIKER, M.; OLDALE, R.; WATERS, B.
THE BEACHCOMBER'S STUDY GUIDE
MA: OCEAN EDUC CENT, FALMOUTH PUB SCHOOLS; 49PP.
COASTLINE; COLLECTING; IDENTIFICATION; FOOD WEB; PLANKTON; SEAWEED; SPONGE;
WORM; MOLLUSK; CRUSTACEAN; ECHINODERM; FISH; BIRD; BIOLOGY; ENVIRONMENT;
WETLAND; ADAPTATION; REPRODUCTION; SHELL; BEACH; GEOLOGY; ZONATION; TIDE;
CURRENT; PHYSICS; WAVE; COELENTERATE; BRYOZOAN; ALGAE; PLANT;
TUNICATE; VOCABULARY
SOURCEBOOK
T : P U

000304
N.D.
HEITZMANN, W.
AMERICA'S MARITIME HERITAGE: SAIL POWER TO NUCLEAR POWER - BOOK 1
PA: CON-STRAN PRODUCTIONS, PHILADELPHIA, PA; 31PP.
HERITAGE; HISTORY; TRADE; SHIPBUILDING; FISHERY; SUBMERSIBLE; RESEARCH; VESSEL; RECREATION; INDUSTRY; PUZZLE; LITERATURE; ART; NAVIGATION; ENERGY; ENVIRONMENT; POLLUTION; WHALE; CONSERVATION; RESOURCE; LIGHTHOUSE; CANAL; BIBLIOGRAPHY
WORKBOOK
T S : U I

000305
1977
HEITZMANN, W.
AMERICA'S MARITIME HERITAGE: FROM SAIL POWER TO NUCLEAR POWER - BOOK 11
PA: CON-STRAN PRODUCTIONS, PHILADELPHIA, PA; 33PP.
HERITAGE; ENERGY; HARVESTING; FISH; NUTRITION; SEAFOOD; ART; FISHERY; RECREATION; LAW; CURRENT; TIDE; PHYSICS; OIL; MILITARY; TRANSPORTATION; VESSEL; MUSIC; BIBLIOGRAPHY; DIRECTORY; MUSEUM
WORKBOOK
T S : I H

000306
1975
DEWEES, C.; HOOPER, J.
BIOLOGICAL OCEANOGRAPHY
CA: SG MAR ADV PUB, UNIV OF CA; 5PP.
BIOLOGY; FOOD WEB; PLANKTON; VOCABULARY
BOOKLET
T S : I H

000307
1975
DEWEES, C.; HOOPER, J.
ECOLOGY OF THE INTERTIDAL ZONE
CA: SG MAR ADV PUB, UNIV OF CA; 4PP.
INTERTIDAL AREA; TIDE; ENVIRONMENT; WAVE; SALINITY; PHYSICS; BIOLOGY; ZONATION; VOCABULARY; BIBLIOGRAPHY
BOOKLET
T S : I H

000308
1975
DEWEES, C.; HOOPER, J.
ESTUARY ECOLOGY
CA: SG MAR ADV PUB, UNIV OF CA; 4PP.
ESTUARY; ENVIRONMENT; FRESH WATER; SALINITY; SEAFOOD; INDUSTRY; BIOLOGY; MANAGEMENT; VOCABULARY
BOOKLET
T S : I H

000309
1974
DEWEES, C.; HOOPER, J.
GYOTAKU --- JAPANESE FISH PRINTING
CA: SG MAR ADV PUB, UNIV OF CA; 4PP.
ART; FISH; BIOLOGY; ANATOMY
ARTS & CRAFTS; ACTIVITY
T S : P U I H A

000310
N.D.
UNKNOWN
EASTERN DIAMONDBACK RATTLESNAKE
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
REPTILE; BIOLOGY; BEHAVIOR
ARTICLE
S : U I

000311
N.D.
UNKNOWN
THE AMPHIUMA
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
AMPHIBIAN; LIFE CYCLE; BIOLOGY
ARTICLE
S : U I

000312
1968
UNKNOWN
THE GULF STREAM
MD: US DEPT OF COMMERCE, ROCKVILLE, MD; 8PP.
CURRENT; PHYSICS; CIRCULATION; HISTORY
ARTICLE
T S : I H A

000313
N.D.
SIEGEL, L.
HORSESHOE CRAB EMBRYOLOGY
NY: JOHN DEWEY HS; 2PP.
HORSESHOE CRAB; REPRODUCTION; TIDE
FIELD GUIDE
T : H A

000314
N.D.
UNKNOWN
CARE AND DEVELOPMENT OF THE GREEN SEA URCHIN
UNKNOWN
SEA URCHIN; ECHINODERM; BIOLOGY; LIFE CYCLE; REPRODUCTION
LAB EX
T S : H A

000315
N.D.
MACLEAN, D.
ANNOTATED BIBLIOGRAPHY: OCEANOGRAPHY FOR ELEMENTARY CLASSROOMS
CA: ORANGE COUN DEPT OF EDUC; 23PP.
BIBLIOGRAPHY; DIVING; FRESH WATER; PERIODICAL; FILM LIST; FILMSTRIP LIST;
OCEAN FLOOR; HARVESTING; RESOURCE; SUBMERSIBLE
REFERENCE
T S : I H A

000316
1971
VALENTINE, D.
FAMILY KEY TO THE FISH COMMONLY TAKEN ON BOARD THE FLOATING MARINE
LABORATORY
CA: ORANGE COUN DEPT OF EDUC, SANTA ANA, CA; 34PP.
FISH; IDENTIFICATION; ANATOMY
REFERENCE
T S : I H A

000317
1971
HERBICH, J.
INDUSTRY'S INTEREST IN OCEAN ENGINEERING EDUCATION PROGRAMS
TX: COASTAL AND OCEAN ENGINEERING DIV, TX ENGINEERING EXPERIMENT STATION;
84PP.
INDUSTRY; ENGINEERING; INSTRUCTION; EMPLOYMENT
REFERENCE
T : A

000318
1975
COLAK, K.
AQUARIUM INTERPRETERS' HANDBOOK
MA: NEW ENGLAND AQUAR, BOSTON, MA; 16PP.
AQUARIUM; RESOURCE; FIELD TRIP
GUIDE
T : P U I H A

000319
1975
OBIS
ATTRACT A FISH
CA: OUTDOOR BIOL INSTRUC STRATEGIES, UNIV OF CA, BERKELEY, CA; 4PP.
FISH; EQUIPMENT; SAFETY
FIELD GUIDE
T S : U I

000320
1977
BERGEN, R.
BEACH DYNAMICS, PART II
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 14PP.
BEACH; SAND; RIVER; WAVE; SAND MOVEMENT; INTERTIDAL AREA; ZONATION;
BIOLOGY; GEOLOGY; PHYSICS; WETLAND
UNIT
T S : I H

000321
1975
OBIS
BEACH ZONATION
CA: OUTDOOR BIOL INSTRUC STRATEGIES, UNIV OF CA, BERKELEY, CA; 4PP.
INTERTIDAL AREA; TIDE; ZONATION; BIOLOGY; EQUIPMENT; SAFETY; ADAPTATION
FIELD GUIDE
T S : U I

000322
N.D.
UNKNOWN
DIRTY WATER, CLEAN WATER
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 7PP.
POLLUTION; BACTERIA; LABORATORY
LAB EX
T S : H

000323
1977
BERGEN, R.
THE DYNAMICS OF BEACHES: FIELD INVESTIGATIONS
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 9PP.
BEACH; SAND; WAVE; SAND MOVEMENT; ZONATION; BIOLOGY; GEOLOGY; PHYSICS
UNIT
T : I H

000324
1977
UNKNOWN
ENERGY FLOW IN AN ESTUARY
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 9PP.
ESTUARY; ENERGY; MANGROVE; PLANT; LIGHT; COMMUNITY; SALINITY;
ZONATION; CRUSTACEAN; FISH
FIELD GUIDE
T S : U I

000325
1974
BERGEN, R.
ENERGY FLOW IN AN ESTUARY; PART II
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 12PP.
ESTUARY; FOOD WEB; ENERGY; PLANKTON; MANGROVE; SALINITY; ZONATION; HABITAT;
ADAPTATION; FISH; PHOTOSYNTHESIS; CRUSTACEAN; DETRITUS; COASTLINE;
POLLUTION; ENVIRONMENT; BIRD; CONSERVATION
LESSON PLAN; WORKSHEET
S : I H

000326
1975
UNKNOWN
ESTUARY UNIT TEST
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 4PP.
ESTUARY
WORKSHEET
S : I H

000327
1976
BERGEN, R.
ECOLOGY OF A CYPRESS SWAMP: FIELD OBSERVATIONS
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 8PP.
WETLAND; PLANT; REPRODUCTION; BIOLOGY
LESSON PLAN
T S : I H

000328
1976
BERGEN, R.
ECOLOGY OF A CYPRESS SWAMP: INTERPRETING YOUR DATA
FL: PINE JOG ENVIRON SCI CENT, W PALM BCH, FL; 9PP.
WETLAND; PLANT; ECONOMICS; BIOLOGY
LESSON PLAN
S : I H

000329
1972
STAFF
MARINE/PHYSICAL SCIENCE MANUAL
FL: THE SCHOOL BOARD OF BREVARD COUN; 523PP.
AQUARIUM; COASTLINE; SYMBIOSIS; SPONGE; CCELENTERATE; CTENOPHORE; WORM; SHRIMP; CRUSTACEAN; MOLLUSK; ECHINODERM; FISH; ANATOMY; PLANKTON; WETLAND; BIRD; MAMMAL; BIOLUMINESCENCE; BEACH; GRAVITY; ENERGY; ZONATION; SEDIMENT; ADAPTATION; INTERTIDAL AREA; SALINITY; POLLUTION; NAVIGATION; PROTOZOAN; BEHAVIOR; HYDRA; LITERATURE; BACTERIA; CONSERVATION; MUSIC; RECREATION; BIOLOGY; PHYSICS; GEOLOGY; CHEMISTRY; OCEAN FLOOR; COLLECTING; FIELD TRIP; MATH; VOCABULARY; WAVE; CURRENT; TIDE; LABORATORY; SHELL; REPRODUCTION; RESPIRATION; HORSESHOE CRAB; FOSSIL; LCCOMOTION; DIGESTION; EXCRETION; TUNICATE; PRCTECTION; IDENTIFICATION; SAND; FOOD WEB; SOUND; TEMPERATURE; ALGAE; PROFILE; CIRCULATION
SOURCEBOOK
T : I H A

000330
N.D.
UNKNOWN
MARINE SCIENCE
UK: UNITED WORLD COLL OF THE ATLANTIC; 10PP.
PHYSICS; CHEMISTRY; BIOLOGY; GEOLOGY; METEOROLOGY; CONSERVATION; RESOURCE; FISH; ENERGY; ENVIRONMENT; DIVING; SUBMERSIBLE; VESSEL; LAW; HISTORY; NAVIGATION
CURRICULUM
T : A

000331
N.D.
STAFF
FISH
NY: NY AQUAR EDUC DEPT; 6PP.
FISH; ADAPTATION; ANATOMY; HABITAT; IDENTIFICATION; DIGESTION; ART; BIBLIOGRAPHY
LAB EX, ACTIVITY
T S : U I

000332
1974
WISNER, T.
FOSSILS
MD: AQUAPEAKE PROJ, UNIV OF MD, NATURAL RESOURCES INST; 6PP.
FOSSIL; COLLECTING; MUSIC
ARTICLE
S : U I

000333
1974
WISNER, T.
FISH
MD: AQUAPEAKE PROJ, UNIV OF MD, NATURAL RESOURCES INST; 6PP.
FISH; COLLECTING; AQUARIUM; MUSIC
ARTICLE
S : P U

000334
1975
UNKNOWN
BLUE CRAB (CALLINECTES SAPIDUS)
MS: MAR EDUC LEAFLET NO 5, MAR EDUC CENT, BILOXI, MS; 4PP.
CRAB; CRUSTACEAN; SEAFOOD; FISHERY; SHELL; REPRODUCTION; LIFE CYCLE;
REGENERATION; BIOLOGY
ARTICLE
T S : I H

000335
1976
UNKNOWN
THE BOTTLE NOSED DOLPHIN - TURSIOPS TRUNCATUS
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
DOLPHIN; MAMMAL; COMMUNICATION
ARTICLE
T S : I H

000336
N.D.
UNKNOWN
THE HORSESHOE CRAB
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
HORSESHOE CRAB; ANATOMY; REPRODUCTION
ARTICLE
T S : U I

000337
1976
UNKNOWN
THE BIOLOGY (LIFE CYCLE) OF PENAEIC SHRIMP IN MISSISSIPPI WATERS
MS: MAR EDUC LEAFLET NO 8, MAR EDUC CENT, BILOXI, MS; 6PP.
SHRIMP; CRUSTACEAN; SHELL; IDENTIFICATION; ANATOMY; LIFE CYCLE;
REPRODUCTION; BIOLOGY; POPULATION; FISHERY
ARTICLE
T S : I H

000338
1974
WISNER, T.
CRABS
MD: AQUAPEAKE PROJ, UNIV OF MD, NATURAL RESOURCES INST; 6PP.
CRAB; CRUSTACEAN; HARVESTING; HABITAT; LOCOMOTION; MUSIC
ARTICLE
T S : P U

000339
1976
DEWEES, C.; HOOPER, J.
MAJOR COMMERCIAL FISHERIES IN CALIFORNIA
CA: SG MAR ADV PUB LEAFLET 2272, UNIV OF CA; 8PP.
FISHERY; FISH; CRAB; EQUIPMENT; AQUACULTURE; VOCABULARY
BOOKLET
T S : I H

000340
1977
SCHWEITZER, J.
LSU MARINE STUDIES HIGH SCHOOL CURRICULUM
LA: CENT FOR WETLAND RESOURCES, LA STATE UNIV, BATON ROUGE, LA; 450PP.
HYDROLOGIC CYCLE; OCEAN FLOOR; PLATE TECTONICS; LIGHT; ENERGY; CIRCULATION;
ESTUARY; WAVE; TIDE; WETLAND; BIOLOGY; CHEMISTRY; GEOLOGY; PHYSICS;
SEA LEVEL; SALINITY; SOUND; SEDIMENT; PLANKTON; ICE; FRESH WATER;
VOCABULARY; BIBLIOGRAPHY; PUZZLE; DIVING; CURRENT; WIND; BOTTOM GRAB;
COLLECTING; VESSEL; SUBMERSIBLE; TURBIDITY; CORAL; REEF; GRAVITY; DENSITY;
PH; TEMPERATURE; PHOTOSYNTHESIS; CORIOLIS EFFECT; UPWELLING; RESPIRATION;
PRESSURE; EQUIPMENT; HISTORY; ENGINEERING; SOCIAL STUDIES
CURRICULUM
T : H A

000341
1969
WOOD, F.
THE LOST MAPS OF THE AMERICAN COAST
ESSA WORLD, OCT 1969; 4PP.
COASTLINE; HISTORY
ARTICLE
T S : H

000342
1970
CLAY, C.
MARINE CONSERVATION
OR: OR STATE UNIV MAR ADV PROG, COOP EXT SERV; 10PP.
INTERTIDAL AREA; PHYSICS; GEOLOGY; BIOLOGY; INDUSTRY; CAREER; ANATOMY;
FIELD TRIP; BEACH; PH; SALINITY; HORSESHOE CRAB; BARNACLE; LIFE CYCLE;
SHRIMP; BEHAVIOR; SEA URCHIN; COLLECTING; VESSEL
CURRICULUM
T : H A

000343
1973
MORGAN, M.
A BIBLIOGRAPHY OF ELEMENTARY AND SECONDARY MARINE SCIENCE CURRICULUM
PROJECTS AND EDUCATIONAL MATERIALS
RI: UNIV OF RI, MAR BULL SER NO 15, KINGSTON, RI; 23PP.
BIBLIOGRAPHY; DIRECTORY
REFERENCE
T : P U I H

000344
1977
GOODWIN, H.; PARTSER, E.; HEDGPETH, J.; CRAVEN, J.; FONG, P.; STOKES, R.;
MANGONE, G.
AMERICANS AND THE WORLD OF WATER
DE: UNIV OF DE SG COLL PROG, COLL OF MAR STUD, UNIV OF DE, NEWARK; 87PP.
HYDROLOGIC CYCLE; WEATHER; HERITAGE; TRADE; LITERATURE; DIVING; RESOURCE;
MAMMAL; FRESH WATER; REPRODUCTION; BIOLOGY; SALINITY; OIL; POLLUTION;
CHEMISTRY; TEMPERATURE; DENSITY; PHYSICS; ICE; ENERGY; INDUSTRY;
HUMANITIES; ART; ECONOMICS; HISTORY; BIBLIOGRAPHY; SEAWEED; SEAFOOD;
AQUACULTURE; TRANSPORTATION; MILITARY; TIDE; EROSION; UPWELLING; FISH;
RECREATION; FISHERY; NUTRITION; GEOLOGY; ALGAE; CONSERVATION; OCEAN FLOOR;
EMPLOYMENT
BOOK
T S : I H A

000345
1971
STAFF
MONITORING TECHNIQUES: FOR THE MEASUREMENT OF PHYSICO-CHEMICAL AND BIOLOGICAL PARAMETERS
CA: PROJ MER, CONTRA COSTA COUN DEPT OF EDUC, PLEASANT HILL, CA; 108PP.
PHYSICS; CHEMISTRY; ENVIRONMENT; TEMPERATURE; SALINITY; VOCABULARY; OXYGEN; PH; MATH; TURBIDITY; POPULATION; PLANKTON; DENSITY; COLLECTING; BEACH; EQUIPMENT; INTERTIDAL AREA; MUDFLAT; IDENTIFICATION; BACTERIA; POLLUTION; BIBLIOGRAPHY
FIELD GUIDE; LAB EX
T S : H A

000346
N.D.
FIRESTONE, M.
NATIONAL OCEANOGRAPHIC DATA CENTER EDUCATIONAL RESOURCE LIST
DC: NOAA NAT OCEAN DATA CENT, WASHINGTON, DC; 22PP.
BIBLIOGRAPHY; EQUIPMENT
REFERENCE
T : P U I H

000347
1970
UNKNOWN
ST. GEORGE'S SUMMER PRACTICE SCHOOL OF OCEANOLOGY
RI: SUMMER PRACTICE SCHOOL OF OCEAN, ST GEORGE'S SCHOOL, NEWPORT; 15PP.
RESEARCH; CAREER; INSTRUCTION; LABORATORY; FIELD TRIP; DIVING
REFERENCE
S : H

000348
1966
BOOLOOTIAN, R.; THOMAS, J.
THE REALM OF THE MARINE BIOLOGIST
THE AMER BIOL TEACH; 28(1): 13-18
DIVING; SHARK; RESEARCH; RESOURCE; FISHERY; SEAFOOD; ALGAE; AQUACULTURE; WEATHER; BIBLIOGRAPHY; BIOLOGY
ARTICLE
T S : I H

000349
1966
BENNETT, L.
A MARINE ECOLOGY UNIT FOR SEVENTH GRADE
THE AMER BIOL TEACH; 28(1): 43-50
ENVIRONMENT; BIOLOGY; HABITAT; COLLECTING; CAREER; IDENTIFICATION; REPRODUCTION; BEHAVIOR; LIFE CYCLE; EROSION; FOOD WEB; POLLUTION; PHYSICS
UNIT
T : I

000350
1966
RAIMIST, R.
AN ELECTIVE COURSE AT THE SECONDARY LEVEL?
THE AMER BIOL TEACH; 28(1): 50-53.
BIOLOGY; PHYSICS
ARTICLE
T : H A

000351
N.D.
SCHWEITZER, J.
WELCOME TO THE HYDROSPHERE
LA: LA STATE UNIV, BATON ROUGE, LA; 169PP.
CURRENT; PHYSICS; SALINITY; TEMPERATURE; ENERGY; WAVE; WIND; TSUNAMI; TIDE; PHOTOSYNTHESIS; FISH; COELENTERATE; CRUSTACEAN; MOLLUSK; ECHINODERM; MAMMAL; COASTLINE; INTERTIDAL AREA; SUBMERSIBLE; FRESH WATER; HABITAT; FOOD WEB; PROTOZOAN; HYDRA; WORM; POLLUTION; HYDROLOGIC CYCLE; ICE; RIVER; EROSION; GEOLOGY
CURRICULUM
T : H

000352
N.D.
HEDGEPETH, J.
CURRENT AND/OR RECENT BOOKS ABOUT THE SEA FOR JUVENILE READERS
UNKNOWN; 4PP.
BIBLIOGRAPHY
REFERENCE
T S : U I

000353
N.D.
COASTAL PLAINS CHAPTER - GEORGIA CONSERVANCY
LET THE ENVIRONMENT BECOME YOUR CLASSROOM
GA: GA CONSERVANCY, COASTAL OFF, SAVANNAH, GA; 40PP.
FIELD TRIP
REFERENCE
T : P U I H

000354
N.D.
FISHER, J.; JONES, J.
SPONGES: APARTMENT HOUSES AND WATER PUMPS OF THE SEA - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 2PP.
SPONGE; ENVIRONMENT; BIOLOGY; LIFE CYCLE
TEACHING GUIDE
T : U I

000355
N.D.
PARMER, C.
ANIMALS WITH SHELLS - SEASHELLS - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 6PP.
SHELL; MOLLUSK; COLLECTING; BIBLIOGRAPHY
TEACHING GUIDE
T : U I

000356
N.D.
PARMER, C.
WHAT MAKES THE TIDES? - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 3PP.
TIDE; BIBLIOGRAPHY
TEACHING GUIDE
T : U I

000357
N.D.
PARMER, C.
THE RETURN OF THE GREEN TURTLE - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 3PP.
TURTLE; REPTILE; BIBLIOGRAPHY
TEACHING GUIDE
T : U I

000358
N.D.
PARMER, C.
SHARK FACTS - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 4PP.
SHARK; BEHAVIOR; ANATOMY; PUZZLE; BIBLIOGRAPHY
TEACHING GUIDE
T : U I

000359
N.D.
PARMER, C.
FLORIDA'S SANDY BEACHES - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL; GAINESVILLE, FL; 2PP.
BEACH; SAND; RECREATION; BIBLIOGRAPHY
TEACHING GUIDE
T : U I

000360
N.D.
PARMER, C.
OCEAN-GOING PLANTS-SEAWEED - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL; GAINESVILLE, FL; 4PP.
SEAWEED; BIBLIOGRAPHY
TEACHING GUIDE
T : U I

000361
N.D.
PARMER, C.
PLANKTON - THE BASIS OF LIFE - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 4PP.
PLANKTON; COLLECTING; BIBLIOGRAPHY; PUZZLE
TEACHING GUIDE
T : U I

000362
N.D.
PARMER, C.
ZOOPLANKTON - THE OCEAN'S WANDERING ANIMALS - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 4PP.
PLANKTON; COPEPOD; ANATOMY; BIBLIOGRAPHY; FILM LIST
TEACHING GUIDE
T : U I

000363
N.D.
PARMER, C.
PHYTOPLANKTON - THE OCEAN'S WANDERING PLANTS - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 4PP.
PLANKTON; ANATOMY; BIBLIOGRAPHY; FILM LIST
TEACHING GUIDE
T : U I

000364
N.D.
PARMER, C.
EXPLORING BEACH SAND - LEADER'S GUIDE
FL: MAR SCI 4-H SPEC INTEREST SER, UNIV OF FL, GAINESVILLE, FL; 1PP.
SAND; BEACH
TEACHING GUIDE
T : U I

000365
1952
PINCUS, H.
SCIENCE OF THE SEA
OH: AMER EDUC PUB, COLUMBUS, OH; 32PP.
GEOLOGY; EQUIPMENT; VOCABULARY; SEDIMENT; VESSEL; OCEAN FLOOR; CHEMISTRY; RESOURCE; HYDROLOGIC CYCLE; PHOTOSYNTHESIS; SALINITY; TIDE; PHYSICS; WAVE; WIND; TSUNAMI; CURRENT; NAVIGATION; CORIOLIS EFFECT; COASTLINE; BIOLOGY; POPULATION; AQUACULTURE; PLANKTON; ALGAE; LIMNOLOGY; CAREER
BOOKLET
S : U I

000366
1973
UNKNOWN
SECRETS OF THE SEA
MD: US DEPT OF COMMERCE, NOAA, ROCKVILLE, MD; 7PP.
RESEARCH; EQUIPMENT; SUBMERSIBLE; OCEAN FLOOR; RESOURCE; CONSERVATION
BOOKLET
S : I

000367
N.D.
UNKNOWN
SELECTED BIBLIOGRAPHY IN MARINE SCIENCES
UNKNOWN; 22PP.
BIBLIOGRAPHY
REFERENCE
T S : I H

000368
N.D.
UNKNOWN
BLUE CRAB
MS: MAR EDUC CENT, BILOXI, MS; 4PP.
CRAB; CRUSTACEAN; SHELL; MOLT; REPRODUCTION; LIFE CYCLE; FISHERY
ARTICLE
T S : I H

000369
1976
UNKNOWN
CRAYFISH
MS: MAR EDUC CENT, BILOXI, MS; 3PP.
CRAYFISH; CRUSTACEAN; LOCOMOTION; BIOLOGY
ARTICLE
T S : U I

000370
N.D.
UNKNOWN
MANTIS SHRIMP
MS: MAR EDUC CENT, BILOXI, MS; 2PP.
CRUSTACEAN; AQUARIUM
ARTICLE
T S : U I

000371
N.D.
WOLLAM, M.
OYSTER BAR FIELD TRIP
UNKNOWN; 5PP.
OYSTER; MOLLUSK; FIELD TRIP; MATH; SEAFOOD
FIELD GUIDE
T S : I

000372
1969
STEWART, V.
SALINITY AND THE CHEMISTRY OF SEAWATER
MAR SCI STATION; 2PP.
SALINITY; CHEMISTRY; EQUIPMENT; PH
ARTICLE
T S : I H

000373
1969
PURCELL, P.
VERTEBRATE LECTURE SUMMARY
MAR SCI STATION; 4PP.
REPTILE; BIRD; FISH; MAMMAL; ANATOMY; IDENTIFICATION; BIOLOGY; BIBLIOGRAPHY
LESSON
T : I H

000374
N.D.
WOLLAM, M.
MULLET KEY FIELD GUIDE
MAR SCI STATION; 5PP.
FIELD TRIP; BEACH; TIDE; INTERTIDAL AREA; ENVIRONMENT; FOOD WEB; OYSTER;
MOLLUSK; COASTLINE; MANGROVE; BIOLOGY; PHYSICS
FIELD GUIDE
T S : I H

000375
N.D.
SKLIAR, N.; LA MANTIA, L.; HUNT, J.
ENVIRONMENTAL EDUCATION SERIES - ACTIVITY APPROACH TO SEASHORE ECOLOGY
NY: BD OF COOP EDUC SERV OF NASSAU COUN, SALISBURY CENT, WESTBURY; 46PP.
HABITAT; GEOLOGY; BEACH; SAND; FOOD WEB; PLANKTON; SEAWEED; WAVE; TIDE;
DUNE; BARNACLE; COASTLINE; CRAB; CRUSTACEAN; ADAPTATION; CURRENT;
TIDE POOL; WETLAND; MUDFLAT; ESTUARY; BIRD; BIOLOGY; TEMPERATURE; WEATHER;
BEACHCOMBING; PROFILE; COLLECTING; EQUIPMENT; INTERTIDAL AREA;
HERMIT CRAB; PLANT
UNIT
T : U I

000376
N.D.
KAPLAN, E.
INSTRUCTOR'S MANUAL - THE FREDKIN MARINE LABORATORY
NY: HOFSTRA UNIV, HEMPSTEAD, NY; 41PP.
BEACH; FISH; ZONATION; COASTLINE; WORM; MUDFLAT; REEF; MANGROVE; ALGAE;
BIOLOGY; BIRD; OCEAN FLOOR; GEOLOGY; CURRENT; PHYSICS; SEA LEVEL; TIDE;
TEMPERATURE; SALINITY; FIELD TRIP; DIVING; EQUIPMENT
FIELD GUIDE
T : H

000377
1975
ABRAMS, R.
A PROPOSED COURSE: THE MARINE SCIENCES
NY: OUTDOOR AND ENVIRON EDUC, GREAT NECK; 12PP.
OCEAN FLOOR; WAVE; CURRENT; SEA LEVEL; PLATE TECTONICS; PHYSICS; CHEMISTRY;
BIOLOGY; RESOURCE; AQUACULTURE; CAREER; HISTORY; GEOLOGY; EROSION;
ESTUARY; WETLAND; METEOROLOGY; POLLUTION; NAVIGATION; DIVING
CURRICULUM
T : H A

000378
1977
UNH MARINE ADVISORY PROGRAM AND THE NH COOPERATIVE EXTENSION SERVICE
NEW HAMPSHIRE'S COAST
NH: UNIV OF NH MAR ADV PROG, KINGSBURY HALL, DURHAM, NH; 34PP.
COASTLINE; INTERTIDAL AREA; TIDE POOL; ZONATION; BIOLOGY; ALGAE; BARNACLE;
SNAIL; MUSSEL; CRAB; CRUSTACEAN; ECHINODERM; COELENTERATE; HABITAT;
IDENTIFICATION; FIELD TRIP; BIBLIOGRAPHY
FIELD GUIDE
T : I

000379
1978
UNKNOWN
MARYLAND'S NATURAL RESOURCES COLORING BOOK
MD: DEPT OF NATURAL RESOURCES, TAWES STATE OFF BUILDING, ANNAPOLIS; 32PP
RESOURCE; FISH; VESSEL; HARVESTING; OYSTER; CLAM; CRAB; MOLLUSK;
CRUSTACEAN; RECREATION; CONSERVATION
COLORING BOOK
S : P U

000380
1978
GOODWIN, H.; SCHAADT, J.
THE NEED FOR MARINE AND AQUATIC EDUCATION
DE: DE SG COLL PROG, UNIV OF DE, COLL OF MAR STUD, NEWARK, DE; 23PP.
VOCABULARY; RESOURCE; INSTRUCTION; SEAFOOD; FRESH WATER; TRANSPORTATION;
POPULATION; RECREATION; HERITAGE; ART; LITERATURE; CAREER; BIBLIOGRAPHY
BOOKLET
T : P U I H A

000381
1974
KAMPMANN, P.; KOSCHO, G.
THE SCRIPPS AQUARIUM COLORING GUIDEBOOK
CA: SCRIPPS AQUAR, LA JOLLA, CA; 50PP.
SHARK; ANATOMY; IDENTIFICATION; FISH; CORAL; ANEMONE; COELENTERATE; CRAB;
HERMIT CRAB; CRUSTACEAN; BARNACLE; SNAIL; MOLLUSK; SHELL; OCTOPUS;
SEA STAR; SEA CUCUMBER; SEA URCHIN; MUSSEL; PROTECTION; LOCOMOTION;
LOBSTER; REPRODUCTION; REPTILE; ECHINODERM
COLORING BOOK
S : U

000382
1978
HAHN, H.; WILKIE, D.
OCEANOGRAPHY - SELECTED REFERENCES
CA: THE AQUAR, SCRIPPS INST OF OCEAN/UNIV OF CA, LA JOLLA, CA; 20PP.
BIBLIOGRAPHY; CAREER; PHYSICS; GEOLOGY; REEF; CORAL; CHEMISTRY;
ENGINEERING; DIVING; NAVIGATION; HISTORY; LAW; BIOLOGY; POLLUTION; ALGAE;
SHELL; IDENTIFICATION; FISH; SHARK; FISHERY; BIRD; REPTILE; MAMMAL;
PERIODICAL
REFERENCE
T S : U I H A

000383
1977
MURRAY, J.
IS IT TIME TO GET YOUR FEET WET?
EXTENSION SERVICE REVIEW, US DEPT OF AGRICULTURE; 20-21PP.
RECREATION; RESOURCE; INDUSTRY
ARTICLE
T : A

000384
1978
STOUT, P.
MARINE MAGAZINES IN THE CLASSROOM
RI: MAR ADV SERV, NOAA/SG, UNIV OF RI MAR REPRINT NO 93; 3PP.
PERIODICAL
REFERENCE; ARTICLE
T : U I H A

000385
1977
STOUT, P.
USING PERIODICALS IN THE SCIENCE CLASSROOM
RI: MAR ADV SERV, NOAA/SG, UNIV OF RI MAR REPRINT NO 94; 4PP.
PERIODICAL
ARTICLE; REFERENCE
T : U I H A

000386
1976
DEWEES, C.; HOOPER, J.
FREEZING SALT WATER
CA: SG MAR ADV PUB LEAFLET 2547, UNIV OF CA; 2PP.
SALINITY; TEMPERATURE; PHYSICS
LAB EX
S : I

000387
1967
LINSKY, R.
MARINE BIOLOGY...A SUMMER ENRICHMENT COURSE
DC: NAT SCI TEACH ASSOC, 1201 SIXTEENTH ST, NW, WASHINGTON, DC; 3PP.
HABITAT; INSTRUCTION; BIOLOGY; FIELD TRIP; CONSERVATION; PHYSICS; GEOLOGY;
CHEMISTRY; EQUIPMENT; BIBLIOGRAPHY
ARTICLE
T : H A

000388
1977
LEAHY, T.
SEA GRANT LURES 4-H "MARINERS" TO SALTWATER
EXTENSION SERVICE REVIEW, US DEPT OF AGRICULTURE; P7
INSTRUCTION
ARTICLE
T : U I

000389
N.D.
UNKNOWN
INFORMATION LOG FOR FLORIDA 4-H MARINE PROGRAM RESOURCE FILE
FL: FL 4-H MAR PROG; 16PP.
BIBLIOGRAPHY
REFERENCE
T : U I H

000390
1975
EDUCATION DEPT.
BOTTLENOSE DOLPHIN FACT SHEET
FL: SEA WORLD, ORLANDO, FL; 9PP.
DOLPHIN; MAMMAL; ANATOMY; ADAPTATION; REPRODUCTION; BIOLOGY; BEHAVIOR;
COMMUNICATION; BIBLIOGRAPHY
ARTICLE
T S : U I H

000391
1975
EDUCATION DEPT.
CAREER OPPORTUNITIES AT SEA WORLD
FL: SEA WORLD, ORLANDO, FL; 11PP.
CAREER; TRAINING
ARTICLE
S : H

000392
N.D.
EDUCATION DEPT.
HARBOR SEAL INFORMATION SHEET
FL: SEA WORLD, ORLANDO, FL; 9PP.
SEAL; MAMMAL; HABITAT; ADAPTATION; ANATOMY; LOCOMOTION; COMMUNICATION;
BEHAVIOR; REPRODUCTION; BIBLIOGRAPHY
ARTICLE
T S : U I H

000393
1974
EDUCATION DEPT.
KILLER WHALE FACT SHEET
FL: SEA WORLD, ORLANDO, FL; 7PP.
WHALE; MAMMAL; ANATOMY; REPRODUCTION; BEHAVIOR; COMMUNICATION; RESPIRATION
ARTICLE
T S : U I H

000394
1976
EDUCATION DEPT.
SEAL AND SEA LION INFORMATION SHEETS
FL: SEA WORLD, ORLANDO, FL; 9PP.
SEAL; SEA LION; MAMMAL; ADAPTATION; ANATOMY; BEHAVIOR
ARTICLE
T S : U I H

000395
1974
EDUCATION DEPT.
WALRUS FACT SHEET
FL: SEA WORLD, ORLANDO, FL; 14PP.
WALRUS; MAMMAL; POPULATION; ANATOMY; ADAPTATION; REPRODUCTION; BEHAVIOR;
COMMUNICATION; BIBLIOGRAPHY
ARTICLE
T S : L I H

000396
N.D.
UNKNOWN
WHALES
FL: SEA WORLD, ORLANDO, FL; 14PP.
WHALE; MAMMAL; DOLPHIN; BIBLIOGRAPHY
ARTICLE
S : U I

000397
1973
EDUCATION DEPT.
BEHAVIOR - SEA WORLD CURRICULUM GUIDE
CA: SEA WORLD EDUC DEPT, SAN DIEGO, CA; 17PP.
BEHAVIOR; MAMMAL; DOLPHIN; SEA LION; SEAL; WHALE; LOCOMOTION; BIBLIOGRAPHY;
TRAINING
CURRICULUM
T S : I

000398
N.D.
NYE, M.
PHYSICAL SCIENCE - OCEANOGRAPHY
IL: JOHN HERSEY HS, ARLINGTON HTS, IL;
HISTORY; PHYSICS; SALINITY; GEOLOGY; SEDIMENT; RESOURCE; PLATE TECTONICS;
PRESSURE; TEMPERATURE; DENSITY; CURRENT; TIDE; BIOLOGY; ADAPTATION;
FOOD WEB; WAVE; TSUNAMI; BEACH; VOCABULARY; CHEMISTRY; LATITUDE;
LONGITUDE; OCEAN FLOOR
CURRICULUM
T : H

000399
1976
ESPARCIA, S.; TAYLOR, D.
ADVENTURE AFLOAT - INSTRUCTOR EDITION
WA: OUTDOOR EMPIRE PUBLISHING INC, SEATTLE, WA; 79PP.
SAFETY; RECREATION; VESSEL; FIELD TRIP; VOCABULARY; LAW; EQUIPMENT;
NAVIGATION; WEATHER
CURRICULUM
T : I H A

000400
1975
CARLOZZI, C.; KING, K.; NEWBOLD, W.
ECOSYSTEMS AND RESOURCES OF THE MASSACHUSETTS COAST
MA: MA COASTAL ZONE MANAGEMENT PROG, BOSTON, MA; 69PP.
GEOLOGY; COASTLINE; WAVE; ENVIRONMENT; MANAGEMENT; WETLAND; PLANT;
DUNE; BEACH; SAND; MUDFLAT; ZONATION; INTERTIDAL AREA; ESTUARY;
RESOURCE; BIOLOGY; AQUACULTURE; VOCABULARY; BIBLIOGRAPHY
BOOKLET
T S : H A

MICROFICHE CONTAINING "AUTHOR INDEX" AND "GRADE LEVEL INDEX" DELETED.